

**TDMS No.** 96015 - 05  
**Test Type:** CHRONIC  
**Route:** DOSED WATER  
**Species/Strain:** RATS/F 344

**P04: NEOPLASMS BY INDIVIDUAL ANIMAL**  
WATER DISINFECTION BYPRODUCTS (DIBROMOACETONITRILE)  
**CAS Number:** 3252-43-5  
**Pathologist:** FARRELL, D. - HEATH, J. - JOKINEN, M.

**Date Report Reqstd:** 06/09/2006  
**Time Report Reqstd:** 12:50:37  
**First Dose M/F:** 09/05/01 / 09/05/01  
**Lab:** SRI

F1\_R2

**C Number:** C96015  
**Lock Date:** 04/30/2004  
**Cage Range:** ALL  
**Date Range:** ALL  
**Reasons For Removal:** ALL  
**Removal Date Range:** ALL  
**Treatment Groups:** Include ALL

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## **ALIMENTARY SYSTEM**

\* .. Total animals with tissue examined microscopically; Total animals with tumor

M .. Missing tissue

+ .. Tissue examined microscopically

A.. Autolysis precludes evaluation

x Lesion present

BLANK Not examined microscopically

| Insufficient tissue

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	7	6	5	5	7	5	7	7	7	6	7	7	7	7	7	7	7	7	7	7	7	7	7	7
DAY ON TEST	1	9	0	6	0	4	3	3	3	2	3	3	2	2	3	3	3	3	3	3	3	3	2	2
	0	7	7	3	7	9	0	0	0	7	0	0	9	9	9	1	1	1	1	1	1	9	9	9
<b>FISCHER 344 RATS MALE</b>																								
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2
	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4

Leukemia Mononuclear X X X X

### Acinus, Adenoma

Salivary Glands +

Stomach, Forestomach +

Leukemia Mononuclear X X

Stomach, Glandular +

Leukemia Mononuclear  $\times$   $\times$

Tooth +

## CARDIOVASCULAR SYSTEM

## Blood Vessel

# **ENDOCRINE SYSTEM**

Adrenal Cortex +

Leukemia Mononuclear X X X

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	1	9	0	6	0	4	3	3	3	2	3	3	2	2	2	3	3	3	3	3	3	3	2	2	2
	0	7	7	3	7	9	0	0	0	7	0	0	9	9	9	1	1	1	1	1	1	1	9	9	9
<b>FISCHER 344 RATS MALE</b>																									
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0 MG/L	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2
	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5

## Tissue NOS

## **GENITAL SYSTEM**

## Coagulating Gland

## Epididymis

## Preputial Gland

## Adenoma

## Prostate

### Seminal Vesicle

## Leukemia Mononuclear

## Testes

#### Leukemia Mononuclear

#### Bilateral, Interstitial Cell, Adenoma

### Interstitial Cell, Adenoma

## **HEMATOPOIETIC SYSTEM**

## Bone Marrow

\* .. Total animals with tissue examined microscopically; Total animals with tumor

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X .. Lesion present  
| .. Insufficient tissue

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FISCHER 344 RATS MALE 0 MG/L	ANIMAL ID	DAY ON TEST																								
		7	6	5	5	7	5	7	7	6	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	
		1	9	0	6	0	4	3	3	2	3	3	2	2	2	3	3	3	3	3	3	3	2	2	2	2
		0	7	7	3	7	9	0	0	0	7	0	0	9	9	9	1	1	1	1	1	1	9	9	9	9
Leukemia Mononuclear		X		X	X	X		X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	
Lymph Node		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Deep Cervical, Leukemia Mononuclear																										
Mediastinal, Fibrous Histiocytoma, Metastatic, Skin																										
Mediastinal, Leukemia Mononuclear		X				X	X		X	X	X											X	X			
Pancreatic, Leukemia Mononuclear		X	X		X	X	X		X	X	X											X	X			
Lymph Node, Mandibular		M	+	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
Lymph Node, Mesenteric		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Fibrous Histiocytoma, Metastatic, Skin																										
Leukemia Mononuclear		X	X		X	X	X		X	X	X	X	X									X	X			
Spleen		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Leukemia Mononuclear		X	X		X	X	X		X	X	X	X	X									X	X			
Thymus		M	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	I	+	+	+	
Leukemia Mononuclear			X	X	X	X		X														X				

## INTEGUMENTARY SYSTEM

Mammary Gland	+	+	+		+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+		+	+	+
Carcinoma																										

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	1	9	0	6	0	4	3	3	2	3	3	2	2	2	3	3	3	3	3	3	3	3	3	2	2	2	2	2
	0	7	7	3	7	9	0	0	0	7	0	0	9	9	9	1	1	1	1	1	1	1	1	9	9	9	9	9
<b>FISCHER 344 RATS MALE</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<b>ANIMAL ID</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<b>0 MG/L</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6		

males  
(cont...)

Peripheral Nerve

Spinal Cord

## RESPIRATORY SYSTEM

Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Alveolar/Bronchiolar Adenoma																											X
Alveolar/Bronchiolar Adenoma, Multiple																											
Alveolar/Bronchiolar Carcinoma																											X
Fibrous Histiocytoma, Metastatic, Skin																											
Leukemia Mononuclear	X			X	X	X				X		X															
Mediastinum, Leukemia Mononuclear										X																	
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

## SPECIAL SENSES SYSTEM

Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Lacrimal Gland																											+

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## **URINARY SYSTEM**

Kidney

## Leukemia Mononuclear

## Urinary Bladder

## Leukemia Mononuclear

## **SYSTEMIC LESIONS**

## Multiple Organ

## Leukemia Mononuclear

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+ .. Tissue examined microscopically

- + .. Tissue examined
- x Lesion present

.. Lesion present  
 Insufficient tissue

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DAY ON TEST	6	6	7	7	6	7	7	7	7	4	6	7	7	6	7	7	7	7	7	6	6	7	7	5	
	5	9	2	2	5	3	0	3	3	9	0	3	3	1	2	2	1	3	3	1	7	2	3	0	
	2	6	9	9	2	1	6	1	1	1	6	0	0	0	1	9	6	0	0	9	9	9	1	8	
<b>FISCHER 344 RATS MALE</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<b>ANIMAL ID</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<b>0 MG/L</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	2	2	2	2	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	5	
	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	
																								<b>* TOTALS</b>	
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49	
Leukemia Mononuclear															X									X	6
Acinus, Adenoma																								X	1
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Leukemia Mononuclear																								X	2
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Leukemia Mononuclear																								X	2
Tooth																									1

**CARDIOVASCULAR SYSTEM**

Blood Vessel																									+	2
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
Leukemia Mononuclear															X		X		X					X	9	

**ENDOCRINE SYSTEM**

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Leukemia Mononuclear															X		X		X					X	7

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	6	6	7	7	6	7	7	7	7	4	6	7	7	6	7	7	7	7	6	6	7	7	5	
	5	9	2	2	5	3	0	3	3	3	9	0	3	3	1	2	2	1	3	3	1	7	2	0
	2	6	9	9	2	1	6	1	1	1	6	0	0	0	1	9	6	0	0	9	9	9	1	8
<b>FISCHER 344 RATS MALE</b>																								
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	* TOTALS
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2	2	2	2	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	5
	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9

Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Leukemia Mononuclear			X			X			X												X	X	8	
Pheochromocytoma Benign						X						X				X	X						9	
Bilateral, Pheochromocytoma Benign												X											1	
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49	
Adenoma												X											5	
Carcinoma													X										1	
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	46	
Adenoma																							1	
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Leukemia Mononuclear																	X						3	
Pars Distalis, Adenoma		X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	24	
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	49	
C-cell, Adenoma	X	X										X	X										X	10
C-cell, Carcinoma																								1

**GENERAL BODY SYSTEM**

Peritoneum	+	2
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	5	9	2	2	5	3	0	3	3	9	0	3	3	1	2	2	1	3	3	1	7	2	3	0
	2	6	9	9	2	1	6	1	1	1	6	0	0	0	1	9	6	0	0	9	9	9	1	8

**FISCHER 344 RATS MALE**

ANIMAL ID

**0 MG/L****\* TOTALS**

Leukemia Mononuclear	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	17
Lymph Node	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	26
Deep Cervical, Leukemia Mononuclear																								1
Mediastinal, Fibrous Histiocytoma, Metastatic, Skin	X																							1
Mediastinal, Leukemia Mononuclear		X		X		X		X		X		X		X		X		X		X		X		15
Pancreatic, Leukemia Mononuclear			X		X		X		X		X		X		X		X		X		X		X	16
Lymph Node, Mandibular	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	1
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Fibrous Histiocytoma, Metastatic, Skin	X																							1
Leukemia Mononuclear		X		X		X		X		X		X		X		X		X		X		X		20
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Leukemia Mononuclear		X		X		X		X		X		X		X		X		X		X		X		21
Thymus	I	+	+	+	+	+	+	+	+	I	+	+	+	I	+	I	+	I	+	I	+	I	+	43
Leukemia Mononuclear		X		X		X		X		X		X		X		X		X		X		X		10

**INTEGUMENTARY SYSTEM**

Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
Carcinoma																								1

\* .. Total animals with tissue examined microscopically; Total animals with tumor

M .. Missing tissue

+ .. Tissue examined microscopically

A .. Autolysis precludes evaluation

x .. Lesion present

BLANK .. Not examined microscopically

I .. Insufficient tissue

TDMS No. 96015 - 05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: RATS/F 344

## P04: NEOPLASMS BY INDIVIDUAL ANIMAL

WATER DISINFECTION BYPRODUCTS (DIBROMOACETONITRILE)

CAS Number: 3252-43-5

Pathologist: FARRELL, D. - HEATH, J. - JOKINEN, M.

Date Report Reqsted: 06/09/2006

Time Report Reqsted: 12:50:37

First Dose M/F: 09/05/01 / 09/05/01

Lab: SRI

	6	6	7	7	6	7	7	7	7	4	6	7	7	6	7	7	7	7	7	6	6	7	7	5	
	5	9	2	2	5	3	0	3	3	3	9	0	3	3	1	2	2	1	3	3	1	7	2	3	0
	2	6	9	9	2	1	6	1	1	1	6	0	0	0	1	9	6	0	0	9	9	9	1	8	
<b>FISCHER 344 RATS MALE</b>																									
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	* TOTALS
0 MG/L	2	2	2	2	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	5
	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0

Fibroadenoma	X	X		X																					6
<b>Skin</b>																									
Basal Cell Adenoma																									50
Basal Cell Carcinoma																									2
Keratoacanthoma																									6
Pinna, Squamous Cell Papilloma																									1
Subcutaneous Tissue, Fibroma																									7
Subcutaneous Tissue, Fibroma, Multiple																									1
Subcutaneous Tissue, Fibrous Histiocytoma																									1
Subcutaneous Tissue, Lipoma																									1

**MUSCULOSKELETAL SYSTEM**

Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
<b>Skeletal Muscle</b>																									
																									1

**NERVOUS SYSTEM**

Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
<b>Leukemia Mononuclear</b>																									
																									3

\* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x .. Lesion present

| .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 96015 - 05

**Test Type:** CHRONIC

**Route:** DOSED WATER

**Species/Strain:** RATS/F 344

## P04: NEOPLASMS BY INDIVIDUAL ANIMAL

## WATER DISINFECTION BYPRODUCTS (DIBROMOACETONITRILE)

CAS Number: 3252-43-5

**Pathologist:** FARNELL, D. - HEATH, J. - JOKINEN, M.

Date Report Requested: 06/09/2006

Time Report Requested: 12:50:37

**First Dose M/F:** 09/05/01 / 09/05/01

Lab: SRI

## Peripheral Nerve

2

Spinal Cord

3

# RESPIRATORY SYSTEM

## **SPECIAL SENSES SYSTEM**

\* .. Total animals with tissue examined microscopically; Total animals with tumor

### M .. Missing tissue

† ... Tissue examined microscopically

A - Autolysis precludes evaluation

Lesion present

**BLANK** Not examined microscopically

✓ .. Lesion present  
| Insufficient tissue

BEANK .. Not examined microscopically

TDMS No. 96015 - 05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: RATS/F 344

## P04: NEOPLASMS BY INDIVIDUAL ANIMAL

WATER DISINFECTION BYPRODUCTS (DIBROMOACETONITRILE)

CAS Number: 3252-43-5

Pathologist: FARRELL, D. - HEATH, J. - JOKINEN, M.

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First Dose M/F: 09/05/01 / 09/05/01

Lab: SRI

	6	6	7	7	6	7	7	7	7	4	6	7	7	6	7	7	7	7	7	6	6	7	7	5	
	5	9	2	2	5	3	0	3	3	3	9	0	3	3	1	2	2	1	3	3	1	7	2	3	0
	2	6	9	9	2	1	6	1	1	1	6	0	0	0	1	9	6	0	0	9	9	9	1	8	
.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<b>FISCHER 344 RATS MALE</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<b>ANIMAL ID</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<b>0 MG/L</b>	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	5	
	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	
																								<b>* TOTALS</b>	

## URINARY SYSTEM

Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	49
Leukemia Mononuclear			X			X			X														X	9
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Leukemia Mononuclear																							X	1

## SYSTEMIC LESIONS

Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Leukemia Mononuclear			X			X			X	X		X		X		X		X		X	X			21

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| .. Insufficient tissue

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BLANK .. Not examined microscopically



TDMS No. 96015 - 05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: RATS/F 344

## P04: NEOPLASMS BY INDIVIDUAL ANIMAL

WATER DISINFECTION BYPRODUCTS (DIBROMOACETONITRILE)

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DAY ON TEST	7	7	6	7	6	7	7	5	4	5	5	7	4	7	7	6	7	7	7	7	7	7	7	7	
	3	3	7	3	8	3	3	6	9	8	3	3	6	3	3	9	3	3	3	3	3	3	3	1	3
	0	0	5	0	9	0	0	3	6	0	5	0	1	0	0	6	0	0	1	1	1	1	1	3	0

**FISCHER 344 RATS MALE**

ANIMAL ID

**50 MG/L****males  
(cont...)**

Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Histiocytic Sarcoma																			X						
Leukemia Mononuclear	X			X	X		X	X	X									X	X	X			X	X	
Mesentery	+			+			+	+		+			+			+			+		+	+	+	+	
Histiocytic Sarcoma																			X						
Leukemia Mononuclear	X			X			X		X										X	X					X
Mesothelioma Malignant				X															X	X					
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Histiocytic Sarcoma																			X						
Leukemia Mononuclear							X			X	X	X													
Mesothelioma Malignant																									
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Histiocytic Sarcoma																			X						
Leukemia Mononuclear																									
Squamous Cell Papilloma							X																		
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Histiocytic Sarcoma																			X						

\* .. Total animals with tissue examined microscopically; Total animals with tumor

M .. Missing tissue

+ .. Tissue examined microscopically

A .. Autolysis precludes evaluation

x .. Lesion present

BLANK .. Not examined microscopically

| .. Insufficient tissue

TDMS No. 96015 - 05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: RATS/F 344

## P04: NEOPLASMS BY INDIVIDUAL ANIMAL

WATER DISINFECTION BYPRODUCTS (DIBROMOACETONITRILE)

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Lab: SRI

DAY ON TEST	7	7	6	7	6	7	7	5	4	5	5	7	4	7	7	6	7	7	7	7	7	7	7	7	7	7	
	3	3	7	3	8	3	3	6	9	8	3	3	6	3	3	9	3	3	3	3	3	3	3	3	1	3	0
	0	0	5	0	9	0	0	3	6	0	5	0	1	0	0	6	0	0	1	1	1	1	1	1	3	0	
<b>FISCHER 344 RATS MALE</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
50 MG/L	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	5	5	5	5	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6	6	7	7	7	7	7	7	
	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5		

males  
(cont...)

Leukemia Mononuclear

X

## CARDIOVASCULAR SYSTEM

Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Leukemia Mononuclear						X				X			X														X

## ENDOCRINE SYSTEM

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Histiocytic Sarcoma																											X
Leukemia Mononuclear							X				X															X	X
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Leukemia Mononuclear	X				X				X																	X	X
Pheochromocytoma Benign							X																				
Bilateral, Pheochromocytoma Benign																											
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Adenoma								X	X																		X
Carcinoma																											
Parathyroid Gland	+	+	+	M	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	M	+	+

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M .. Missing tissue

+ .. Tissue examined microscopically

A .. Autolysis precludes evaluation

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| .. Insufficient tissue

TDMS No. 96015 - 05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: RATS/F 344

## P04: NEOPLASMS BY INDIVIDUAL ANIMAL

WATER DISINFECTION BYPRODUCTS (DIBROMOACETONITRILE)

CAS Number: 3252-43-5

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First Dose M/F: 09/05/01 / 09/05/01

Lab: SRI

	7	7	6	7	6	7	7	5	4	5	5	7	4	7	7	6	7	7	7	7	7	7	7	7	7	7	7	7	7	
	3	3	7	3	8	3	3	6	9	8	3	3	6	3	3	9	3	3	3	3	3	3	3	3	3	3	1	3	0	
	0	0	5	0	9	0	0	3	6	0	5	0	1	0	0	6	0	0	1	1	1	1	1	1	1	3	0			
<b>FISCHER 344 RATS MALE</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	5	5	5	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6	6	6	7	7	7	7	7	7	7	7	7	
	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	5	5	5	5	
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Leukemia Mononuclear								X													X									
Pars Distalis, Adenoma		X			X		X									X							X		X					
Pars Distalis, Carcinoma																X														
Pars Intermedia, Carcinoma																														
Thyroid Gland	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
C-cell, Adenoma								X			X									X		X								
C-cell, Carcinoma																						X								

**GENERAL BODY SYSTEM**

Peritoneum	+																												
Mesothelioma Malignant		X																			X	X	X						

**GENITAL SYSTEM**

Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Histiocytic Sarcoma																					X								
Leukemia Mononuclear								X																					
Mesothelioma Malignant																					X	X	X						

Penis																													
-------	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

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TDMS No. 96015 - 05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: RATS/F 344

## P04: NEOPLASMS BY INDIVIDUAL ANIMAL

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DAY ON TEST	7	7	6	7	6	7	7	5	4	5	5	7	4	7	7	6	7	7	7	7	7	7	7	7	7	7	
	3	3	7	3	8	3	3	6	9	8	3	3	6	3	3	9	3	3	3	3	3	3	3	3	3	1	3
	0	0	5	0	9	0	0	3	6	0	5	0	1	0	0	6	0	0	1	1	1	1	1	1	1	3	0
<b>FISCHER 344 RATS MALE</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<b>50 MG/L</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	5	5	5	5	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6	6	7	7	7	7	7	7	
	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5		
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Adenoma																											
Carcinoma																											
Histiocytic Sarcoma																											
Leukemia Mononuclear																											
Prostate	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Histiocytic Sarcoma																											
Leukemia Mononuclear																											
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Histiocytic Sarcoma											X																
Leukemia Mononuclear											X																
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Leukemia Mononuclear											X																
Bilateral, Interstitial Cell, Adenoma	X	X	X	X	X	X		X	X		X		X	X	X	X	X	X	X	X	X	X	X	X	X		
Interstitial Cell, Adenoma																											

**HEMATOPOIETIC SYSTEM**

Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Histiocytic Sarcoma																										
Leukemia Mononuclear	X		X	X	X	X		X	X		X		X		X		X		X		X	X	X	X	X	

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TDMS No. 96015 - 05

Test Type: CHRONIC

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DAY ON TEST	7	7	6	7	6	7	7	5	4	5	5	7	4	7	7	6	7	7	7	7	7	7	7	
	3	3	7	3	8	3	3	6	9	8	3	3	6	3	3	9	3	3	3	3	3	3	1	3
	0	0	5	0	9	0	0	3	6	0	5	0	1	0	0	6	0	0	1	1	1	1	3	0

**FISCHER 344 RATS MALE**

ANIMAL ID

**50 MG/L****males  
(cont...)**

Lymph Node	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Deep Cervical, Leukemia Mononuclear																								X	
Mediastinal, Histiocytic Sarcoma																									
Mediastinal, Leukemia Mononuclear	X		X		X		X	X															X	X	
Pancreatic, Histiocytic Sarcoma																								X	
Pancreatic, Leukemia Mononuclear	X		X		X		X	X		X		X											X	X	
Lymph Node, Mandibular	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M		
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Histiocytic Sarcoma																								X	
Leukemia Mononuclear	X			X		X		X	X		X		X										X	X	
Lymphoma Malignant																								X	X
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Histiocytic Sarcoma																								X	
Leukemia Mononuclear	X			X		X		X	X		X		X										X	X	
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Leukemia Mononuclear	X			X	X	X		X	X		X	X	X										X	X	

**INTEGUMENTARY SYSTEM**

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
+ .. Tissue examined microscopically  
x .. Lesion present  
| .. Insufficient tissue

M .. Missing tissue  
A .. Autolysis precludes evaluation  
BLANK .. Not examined microscopically

TDMS No. 96015 - 05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: RATS/F 344

## P04: NEOPLASMS BY INDIVIDUAL ANIMAL

WATER DISINFECTION BYPRODUCTS (DIBROMOACETONITRILE)

CAS Number: 3252-43-5

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Date Report Reqsted: 06/09/2006

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First Dose M/F: 09/05/01 / 09/05/01

Lab: SRI

DAY ON TEST	7	7	6	7	6	7	7	5	4	5	5	7	4	7	7	6	7	7	7	7	7	7	7	7	7	7	
	3	3	7	3	8	3	3	6	9	8	3	3	6	3	3	9	3	3	3	3	3	3	3	3	1	3	0
	0	0	5	0	9	0	0	3	6	0	5	0	1	0	0	6	0	0	1	1	1	1	1	1	3	0	
<b>FISCHER 344 RATS MALE</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<b>ANIMAL ID</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<b>50 MG/L</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	5	5	5	5	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6	6	7	7	7	7	7	7	
	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5		

**males  
(cont...)**

---

Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Fibroadenoma																											
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Basal Cell Carcinoma																											
Keratoacanthoma	X																										
Keratoacanthoma, Multiple																											
Squamous Cell Carcinoma																											
Pinna, Neural Crest Tumor																											
Subcutaneous Tissue, Fibroma	X																										
Subcutaneous Tissue, Histiocytic Sarcoma																											
Subcutaneous Tissue, Leukemia Mononuclear																											
Subcutaneous Tissue, Osteosarcoma																											

**MUSCULOSKELETAL SYSTEM**

Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Skeletal Muscle																											
Histiocytic Sarcoma																											
Squamous Cell Carcinoma, Metastatic, Skin																											

\* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x .. Lesion present

| .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 96015 - 05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: RATS/F 344

## P04: NEOPLASMS BY INDIVIDUAL ANIMAL

WATER DISINFECTION BYPRODUCTS (DIBROMOACETONITRILE)

CAS Number: 3252-43-5

Pathologist: FARRELL, D. - HEATH, J. - JOKINEN, M.

Date Report Reqsted: 06/09/2006

Time Report Reqsted: 12:50:37

First Dose M/F: 09/05/01 / 09/05/01

Lab: SRI

DAY ON TEST	7	7	6	7	6	7	7	5	4	5	5	7	4	7	7	6	7	7	7	7	7	7	7	7	7	7
	3	3	7	3	8	3	3	6	9	8	3	3	6	3	3	9	3	3	3	3	3	3	3	3	1	3
	0	0	5	0	9	0	0	3	6	0	5	0	1	0	0	6	0	0	1	1	1	1	1	1	1	3
<b>FISCHER 344 RATS MALE</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50 MG/L	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5	5	5	5	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6	6	7	7	7	7	7	7
	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	

**males  
(cont...)**

**NERVOUS SYSTEM**

Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Carcinoma, Metastatic, Pituitary Gland																										
Leukemia Mononuclear																										X

**RESPIRATORY SYSTEM**

Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Alveolar/Bronchiolar Adenoma																										X
Alveolar/Bronchiolar Carcinoma																										
Histiocytic Sarcoma																										X
Leukemia Mononuclear	X																									
Neural Crest Tumor, Metastatic, Skin																										X
Mediastinum, Leukemia Mononuclear																										

Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Osteochondroma																										

Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Histiocytic Sarcoma																										X

**SPECIAL SENSES SYSTEM**

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
+ .. Tissue examined microscopically  
x .. Lesion present  
| .. Insufficient tissue

M .. Missing tissue  
A .. Autolysis precludes evaluation  
BLANK .. Not examined microscopically



TDMS No. 96015 - 05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: RATS/F 344

## P04: NEOPLASMS BY INDIVIDUAL ANIMAL

WATER DISINFECTION BYPRODUCTS (DIBROMOACETONITRILE)

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Lab: SRI

DAY ON TEST	7	7	7	7	7	7	7	7	7	5	7	7	6	7	7	5	7	7	6	7	6	7	6	7	7
	1	3	3	3	3	3	3	3	3	1	9	3	3	7	0	3	5	2	2	6	3	9	3	3	3
	0	0	0	0	0	1	1	1	1	4	4	0	0	1	6	1	9	9	9	4	0	5	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	7	7	7	7	8	8	8	8	8	8	8	8	8	8	8	9	9	9	9	9	9	9	9	9	0
	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0

**\* TOTALS**

**ALIMENTARY SYSTEM**

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Leukemia Mononuclear																									1
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	49
Histiocytic Sarcoma																									1
Leukemia Mononuclear																									1
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Histiocytic Sarcoma																									1
Leukemia Mononuclear																									1
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Adenoma																									1
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	49
Leukemia Mononuclear																									1
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	48
Histiocytic Sarcoma																									1
Leukemia Mononuclear																	X								2
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	A	+	+	+	+	+	+	46

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TDMS No. 96015 - 05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: RATS/F 344

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WATER DISINFECTION BYPRODUCTS (DIBROMOACETONITRILE)

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DAY ON TEST	7	7	7	7	7	7	7	7	7	5	7	7	6	7	7	5	7	7	6	7	6	7	6	7	7	
	1	3	3	3	3	3	3	3	3	1	9	3	3	7	0	3	5	2	2	6	3	9	3	9	3	3
	0	0	0	0	0	1	1	1	1	4	4	0	0	1	6	1	9	9	9	4	0	5	0	5	0	0
<b>FISCHER 344 RATS MALE</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>ANIMAL ID</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>50 MG/L</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	7	7	7	7	8	8	8	8	8	8	8	8	8	8	8	9	9	9	9	9	9	9	9	9	9	0
	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	* TOTALS

Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Histiocytic Sarcoma																									1
Leukemia Mononuclear	X		X	X						X												X	X	18	
Mesentery	+																								18
Histiocytic Sarcoma																									1
Leukemia Mononuclear																									6
Mesothelioma Malignant																									5
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Histiocytic Sarcoma																									1
Leukemia Mononuclear																									4
Mesothelioma Malignant																									1
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	49
Histiocytic Sarcoma																									1
Leukemia Mononuclear																									1
Squamous Cell Papilloma													X												1
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Histiocytic Sarcoma																									1

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TDMS No. 96015 - 05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: RATS/F 344

## P04: NEOPLASMS BY INDIVIDUAL ANIMAL

WATER DISINFECTION BYPRODUCTS (DIBROMOACETONITRILE)

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Lab: SRI

DAY ON TEST	7	7	7	7	7	7	7	7	7	5	7	7	6	7	7	5	7	7	6	7	6	7	6	7	7
	1	3	3	3	3	3	3	3	3	1	9	3	3	7	0	3	5	2	2	6	3	9	3	3	3
	0	0	0	0	0	1	1	1	1	4	4	0	0	1	6	1	9	9	9	4	0	5	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	7	7	7	7	8	8	8	8	8	8	8	8	8	8	8	9	9	9	9	9	9	9	9	9	0
	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0

\* TOTALS

Leukemia Mononuclear

1

## CARDIOVASCULAR SYSTEM

Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Leukemia Mononuclear																	X								5

## ENDOCRINE SYSTEM

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Histiocytic Sarcoma																									1
Leukemia Mononuclear							X																		6
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Leukemia Mononuclear																			X						6
Pheochromocytoma Benign								X				X							X						5
Bilateral, Pheochromocytoma Benign														X											1
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Adenoma								X																	4
Carcinoma									X																1
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	M	44

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| .. Insufficient tissue

TDMS No. 96015 - 05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: RATS/F 344

## P04: NEOPLASMS BY INDIVIDUAL ANIMAL

WATER DISINFECTION BYPRODUCTS (DIBROMOACETONITRILE)

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DAY ON TEST	7	7	7	7	7	7	7	7	7	5	7	7	6	7	7	5	7	7	6	7	6	7	6	7	7	
	1	3	3	3	3	3	3	3	3	1	9	3	3	7	0	3	5	2	2	6	3	9	3	3	3	
	0	0	0	0	0	1	1	1	1	4	4	0	0	1	6	1	9	9	9	4	0	5	0	0	0	
<b>FISCHER 344 RATS MALE</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<b>50 MG/L</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
	7	7	7	7	8	8	8	8	8	8	8	8	8	8	8	9	9	9	9	9	9	9	9	9	0	
	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	
	<b>* TOTALS</b>																									
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Leukemia Mononuclear																										3
Pars Distalis, Adenoma							X		X	X					X	X									14	
Pars Distalis, Carcinoma																										1
Pars Intermedia, Carcinoma													X													1
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	A	+	+	+	+	+	+	+	+	47	
C-cell, Adenoma							X																			5
C-cell, Carcinoma																										2

**GENERAL BODY SYSTEM**

Peritoneum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	6
Mesothelioma Malignant													X			X									6

**GENITAL SYSTEM**

Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Histiocytic Sarcoma																										1
Leukemia Mononuclear																										1
Mesothelioma Malignant																										4

Penis																										1
-------	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	---

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	1	3	3	3	3	3	3	3	3	1	9	3	3	7	0	3	5	2	2	6	3	9	3	3	3	
	0	0	0	0	0	1	1	1	1	4	4	0	0	1	6	1	9	9	9	4	0	5	0	0	0	
<b>FISCHER 344 RATS MALE</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<b>50 MG/L</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
	7	7	7	7	8	8	8	8	8	8	8	8	8	8	8	9	9	9	9	9	9	9	9	9	0	
	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	
	<b>* TOTALS</b>																									
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Adenoma		X																								2
Carcinoma																										1
Histiocytic Sarcoma																										1
Leukemia Mononuclear																										1
Prostate	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Histiocytic Sarcoma																										1
Leukemia Mononuclear																										1
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49	
Histiocytic Sarcoma																										1
Leukemia Mononuclear																										2
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Leukemia Mononuclear																										2
Bilateral, Interstitial Cell, Adenoma	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	38		
Interstitial Cell, Adenoma																										6

**HEMATOPOIETIC SYSTEM**

Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Histiocytic Sarcoma																										1
Leukemia Mononuclear			X	X																						11

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	1	3	3	3	3	3	3	3	3	1	9	3	3	7	0	3	5	2	2	6	3	9	3	3	3
	0	0	0	0	0	1	1	1	1	4	4	0	0	1	6	1	9	9	9	4	0	5	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	7	7	7	7	8	8	8	8	8	8	8	8	8	8	8	9	9	9	9	9	9	9	9	9	0
	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0

**\* TOTALS**

Lymph Node	+	+																								24
Deep Cervical, Leukemia Mononuclear																										1
Mediastinal, Histiocytic Sarcoma																										1
Mediastinal, Leukemia Mononuclear			X																							8
Pancreatic, Histiocytic Sarcoma																										1
Pancreatic, Leukemia Mononuclear	X	X																								13
Lymph Node, Mandibular	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	0	
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Histiocytic Sarcoma																										1
Leukemia Mononuclear	X		X	X																						17
Lymphoma Malignant																					X					1
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Histiocytic Sarcoma																										1
Leukemia Mononuclear	X		X	X																						18
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Leukemia Mononuclear	X		X																							12

**INTEGUMENTARY SYSTEM**

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
+ .. Tissue examined microscopically  
x .. Lesion present  
| .. Insufficient tissue

M .. Missing tissue  
A .. Autolysis precludes evaluation  
BLANK .. Not examined microscopically

TDMS No. 96015 - 05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: RATS/F 344

## P04: NEOPLASMS BY INDIVIDUAL ANIMAL

WATER DISINFECTION BYPRODUCTS (DIBROMOACETONITRILE)

CAS Number: 3252-43-5

Pathologist: FARRELL, D. - HEATH, J. - JOKINEN, M.

Date Report Reqsted: 06/09/2006

Time Report Reqsted: 12:50:37

First Dose M/F: 09/05/01 / 09/05/01

Lab: SRI

FISCHER 344 RATS MALE ANIMAL ID 50 MG/L	DAY ON TEST	7	7	7	7	7	7	7	7	7	5	7	7	6	7	7	5	7	7	6	7	6	7	6	7	
		1	3	3	3	3	3	3	3	3	1	9	3	3	7	0	3	5	2	2	6	3	9	3	3	
		0	0	0	0	0	1	1	1	1	4	4	0	0	1	6	1	9	9	9	4	0	5	0	0	
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
		7	7	7	7	8	8	8	8	8	8	8	8	8	8	8	9	9	9	9	9	9	9	9	0	
		6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	
		* TOTALS																								
Mammary Gland		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49	
Fibroadenoma		X			X		X																			3
Skin		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Basal Cell Carcinoma																										1
Keratoacanthoma			X																				X		6	
Keratoacanthoma, Multiple														X												1
Squamous Cell Carcinoma																										1
Pinna, Neural Crest Tumor																										1
Subcutaneous Tissue, Fibroma													X													6
Subcutaneous Tissue, Histiocytic Sarcoma															X											1
Subcutaneous Tissue, Leukemia Mononuclear																X										1
Subcutaneous Tissue, Osteosarcoma		X																								1

## MUSCULOSKELETAL SYSTEM

Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Skeletal Muscle																										3
Histiocytic Sarcoma																										1
Squamous Cell Carcinoma, Metastatic, Skin																										1

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+ .. Tissue examined microscopically

x .. Lesion present

| .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

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TDMS No. 96015 - 05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: RATS/F 344

## P04: NEOPLASMS BY INDIVIDUAL ANIMAL

WATER DISINFECTION BYPRODUCTS (DIBROMOACETONITRILE)

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First Dose M/F: 09/05/01 / 09/05/01

Lab: SRI

DAY ON TEST	7	7	7	7	7	7	7	7	7	5	7	7	6	7	7	5	7	7	6	7	6	7	6	7	7
1	3	3	3	3	3	3	3	3	3	1	9	3	3	7	0	3	5	2	2	6	3	9	3	3	3
0	0	0	0	0	0	1	1	1	1	4	4	0	0	1	6	1	9	9	9	4	0	5	0	0	0
.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FISCHER 344 RATS MALE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50 MG/L	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	7	7	7	7	8	8	8	8	8	8	8	8	8	8	9	9	9	9	9	9	9	9	9	9	0
	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0
																									* TOTALS

## NERVOUS SYSTEM

Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Carcinoma, Metastatic, Pituitary Gland																									2
Leukemia Mononuclear																									1

## RESPIRATORY SYSTEM

Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Alveolar/Bronchiolar Adenoma	X																								3
Alveolar/Bronchiolar Carcinoma																									1
Histiocytic Sarcoma																									1
Leukemia Mononuclear	X																								9
Neural Crest Tumor, Metastatic, Skin																									1
Mediastinum, Leukemia Mononuclear																									1

Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Osteochondroma																									1

Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Histiocytic Sarcoma																									1

## SPECIAL SENSES SYSTEM

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
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TDMS No. 96015 - 05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: RATS/F 344

## P04: NEOPLASMS BY INDIVIDUAL ANIMAL

WATER DISINFECTION BYPRODUCTS (DIBROMOACETONITRILE)

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Lab: SRI

DAY ON TEST	7	7	7	7	7	7	7	7	7	5	7	7	6	7	7	5	7	7	6	7	6	7	6	7	7	
	1	3	3	3	3	3	3	3	3	1	9	3	3	7	0	3	5	2	2	6	3	9	3	9	3	3
	0	0	0	0	0	1	1	1	1	4	4	0	0	1	6	1	9	9	9	4	0	5	0	5	0	0
<b>FISCHER 344 RATS MALE</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>ANIMAL ID</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>50 MG/L</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	7	7	7	7	8	8	8	8	8	8	8	8	8	8	8	9	9	9	9	9	9	9	9	9	9	0
	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	* <b>TOTALS</b>

Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	47
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Lacrimal Gland																									1

**URINARY SYSTEM**

Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Leukemia Mononuclear																	X								7
Urethra																									1
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Leukemia Mononuclear																									1

**SYSTEMIC LESIONS**

Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Histiocytic Sarcoma																									1
Leukemia Mononuclear	X		X	X						X			X								X	X		19	
Lymphoma Malignant																									1
Mesothelioma Malignant														X		X									6

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| .. Insufficient tissue

TDMS No. 96015 - 05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: RATS/F 344

## P04: NEOPLASMS BY INDIVIDUAL ANIMAL

WATER DISINFECTION BYPRODUCTS (DIBROMOACETONITRILE)

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Date Report Reqsted: 06/09/2006

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Lab: SRI

	5	7	7	7	7	7	6	7	7	7	2	7	7	7	6	6	5	7	6	6	7	6	6	7	
	8	2	2	2	1	2	2	9	2	2	5	2	2	1	1	9	8	3	1	7	3	8	7	2	
	3	9	9	9	8	9	9	1	9	0	9	1	0	9	0	6	7	3	0	9	1	0	0	1	9
DAY ON TEST																									
FISCHER 344 RATS MALE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
100 MG/L	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2
	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5

males  
(cont...)

## ALIMENTARY SYSTEM

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Colon	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenoma																								
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenoma																								
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Leukemia Mononuclear																								
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hepatocellular Adenoma																								
Hepatocellular Carcinoma	X	X																						
Leukemia Mononuclear																								
Mesentery	+	+	+																+	+	+	+	+	+

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TDMS No. 96015 - 05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: RATS/F 344

## P04: NEOPLASMS BY INDIVIDUAL ANIMAL

WATER DISINFECTION BYPRODUCTS (DIBROMOACETONITRILE)

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First Dose M/F: 09/05/01 / 09/05/01

Lab: SRI

DAY ON TEST	5	7	7	7	7	7	6	7	7	7	2	7	7	7	6	6	5	7	6	6	7	6	6	7	
	8	2	2	2	1	2	2	9	2	2	5	2	2	1	1	9	8	3	1	7	3	8	7	2	
	3	9	9	9	8	9	9	1	9	0	9	1	0	9	0	6	7	3	0	9	1	0	0	1	9

  

<b>FISCHER 344 RATS MALE</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
100 MG/L	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2
	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5

males  
(cont...)

Leukemia Mononuclear	X	X																							
Oral Mucosa																									
Squamous Cell Papilloma																									
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Leukemia Mononuclear		X																	X						
Acinus, Adenoma																			X						
Duct, Carcinoma																			X						
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Leukemia Mononuclear																									
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Leukemia Mononuclear																			X						
Tongue																									
Squamous Cell Carcinoma																									
Squamous Cell Papilloma																									

**CARDIOVASCULAR SYSTEM**

Blood Vessel	+
--------------	---

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+ .. Tissue examined microscopically

x .. Lesion present

| .. Insufficient tissue

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TDMS No. 96015 - 05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: RATS/F 344

## P04: NEOPLASMS BY INDIVIDUAL ANIMAL

WATER DISINFECTION BYPRODUCTS (DIBROMOACETONITRILE)

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	5	7	7	7	7	7	6	7	7	7	2	7	7	7	6	6	5	7	6	6	7	6	6	7	
	8	2	2	2	1	2	2	9	2	2	5	2	2	1	1	9	8	3	1	7	3	8	7	2	
	3	9	9	9	8	9	9	1	9	0	9	1	0	9	0	6	7	3	0	9	1	0	0	1	9
.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FISCHER 344 RATS MALE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
100 MG/L	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2
	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5

males  
(cont...)

Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Leukemia Mononuclear						X						X	X	X						X					

## ENDOCRINE SYSTEM

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Leukemia Mononuclear						X						X	X	X						X					
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Ganglioneuroma																									
Leukemia Mononuclear							X					X	X	X						X					
Pheochromocytoma Benign								X							X										X
Pheochromocytoma Malignant									X							X					X				
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Adenoma																				X					
Carcinoma																				X					
Parathyroid Gland	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Pituitary Gland	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	I	+	
Leukemia Mononuclear																				X					X
Pars Distalis, Adenoma						X	X				X	X							X	X	X		X		

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x .. Lesion present

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TDMS No. 96015 - 05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: RATS/F 344

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	5	7	7	7	7	7	6	7	7	7	2	7	7	7	6	6	5	7	6	6	7	6	6	7	
	8	2	2	2	1	2	2	9	2	2	5	2	2	1	1	9	8	3	1	7	3	8	7	2	
	3	9	9	9	8	9	9	1	9	0	9	1	0	9	0	6	7	3	0	9	1	0	0	1	9
<b>FISCHER 344 RATS MALE</b>																									
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
100 MG/L	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2
	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5

males  
(cont...)

Leukemia Mononuclear

Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Leukemia Mononuclear																	X								
Bilateral, Interstitial Cell, Adenoma	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
Interstitial Cell, Adenoma							X	X									X								X

**HEMATOPOIETIC SYSTEM**

Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Leukemia Mononuclear		X	X												X	X	X	X							X
<b>Lymph Node</b>																									
Deep Cervical, Leukemia Mononuclear																									
Mediastinal, Leukemia Mononuclear							X											X	X						
Pancreatic, Leukemia Mononuclear						X			X									X	X	X					
<b>Lymph Node, Mandibular</b>																									
Leukemia Mononuclear	M	M	M	M	M	M	M	M	M	M	M	M	M	+	+	M	M	M	M	M	M	M	M	M	
															X										
<b>Lymph Node, Mesenteric</b>																									
Leukemia Mononuclear	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
	X	X				X									X	X	X	X							X
<b>Spleen</b>																									
	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	

\* .. Total animals with tissue examined microscopically; Total animals with tumor

M .. Missing tissue

+ .. Tissue examined microscopically

A .. Autolysis precludes evaluation

x .. Lesion present

BLANK .. Not examined microscopically

| .. Insufficient tissue



TDMS No. 96015 - 05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: RATS/F 344

## P04: NEOPLASMS BY INDIVIDUAL ANIMAL

WATER DISINFECTION BYPRODUCTS (DIBROMOACETONITRILE)

CAS Number: 3252-43-5

Pathologist: FARRELL, D. - HEATH, J. - JOKINEN, M.

Date Report Reqsted: 06/09/2006

Time Report Reqsted: 12:50:37

First Dose M/F: 09/05/01 / 09/05/01

Lab: SRI

	5	7	7	7	7	7	6	7	7	7	2	7	7	7	6	6	5	7	6	6	7	6	6	7	
	8	2	2	2	1	2	2	9	2	2	5	2	2	1	1	9	8	3	1	7	3	8	7	2	
	3	9	9	9	8	9	9	1	9	0	9	1	0	9	0	6	7	3	0	9	1	0	0	1	9
DAY ON TEST																									
FISCHER 344 RATS MALE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
100 MG/L	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2
	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5

males  
(cont...)

## MUSCULOSKELETAL SYSTEM

Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Vertebra, Chordoma																			X						

Skeletal Muscle																			X						
-----------------	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	---	--	--	--	--	--	--

## NERVOUS SYSTEM

Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Carcinoma, Metastatic, Zymbal'S Gland																									
Leukemia Mononuclear																			X						

Peripheral Nerve	+																		+						
Schwannoma Malignant																			X						

Spinal Cord	+																		+						
-------------	---	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	---	--	--	--	--	--	--

## RESPIRATORY SYSTEM

Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Alveolar/Bronchiolar Carcinoma																									
Carcinoma, Metastatic, Zymbal'S Gland																									

\* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x .. Lesion present

| .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 96015 - 05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: RATS/F 344

## P04: NEOPLASMS BY INDIVIDUAL ANIMAL

WATER DISINFECTION BYPRODUCTS (DIBROMOACETONITRILE)

CAS Number: 3252-43-5

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Date Report Reqsted: 06/09/2006

Time Report Reqsted: 12:50:37

First Dose M/F: 09/05/01 / 09/05/01

Lab: SRI

DAY ON TEST	5	7	7	7	7	7	6	7	7	7	2	7	7	7	6	6	5	7	6	6	7	6	6	7	
	8	2	2	2	1	2	2	9	2	2	5	2	2	1	1	9	8	3	1	7	3	8	7	2	
	3	9	9	9	8	9	9	1	9	0	9	1	0	9	0	6	7	3	0	9	1	0	0	1	9
<b>FISCHER 344 RATS MALE</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>ANIMAL ID</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>100 MG/L</b>	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2
	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5

males  
(cont...)

Chordoma, Metastatic, Uncertain Primary Site	X																								
Leukemia Mononuclear		X																		X					
Neural Crest Tumor, Metastatic, Skin			X																			X			
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Leukemia Mononuclear																									
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

**SPECIAL SENSES SYSTEM**

Ear																									
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Zymbal's Gland																									
Carcinoma																									

**URINARY SYSTEM**

Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Leukemia Mononuclear																									

\* .. Total animals with tissue examined microscopically; Total animals with tumor

M .. Missing tissue

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x .. Lesion present

BLANK .. Not examined microscopically

| .. Insufficient tissue

TDMS No. 96015 - 05

**Test Type: CHRONIC**

**Route:** DOSED WATER

**Species/Strain:** RATS/F 344

**P04: NEOPLASMS BY INDIVIDUAL ANIMAL**  
**WATER DISINFECTION BYPRODUCTS (DIBROMOACETONITRILE)**  
**CAS Number: 3252-43-5**  
**Pathologist: FARNELL, D. - HEATH, J. - JOKINEN, M.**

Date Report Registered: 06/09/2006

Time Report Requested: 12:50:37

**First Dose M/F:** 09/05/01 / 09/05/01

Lab: SRI

DAY ON TEST	5	7	7	7	7	7	7	6	7	7	7	2	7	7	7	6	6	5	7	6	6	7	6	6	7
	8	2	2	2	1	2	2	9	2	2	2	5	2	2	1	1	9	8	3	1	7	3	8	7	2
	3	9	9	9	8	9	9	1	9	0	9	1	0	9	0	6	7	3	0	9	1	0	0	1	9

  

<b>FISCHER 344 RATS MALE</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
<b>100 MG/L</b>	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2
	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5

## Urethra

#### **Leukemia Mononuclear**

## Urinary Bladder

#### **Leukemia Mononuclear**

## **SYSTEMIC LESIONS**

## Multiple Organ

## Histiocytic Sarcoma

× ×                    ×                    ×    ×    ×    ×                    ×    ×    ×

\* .. Total animals with tissue examined microscopically; Total animals with tumor

† Tissue examined microscopically

Lesion present

.. Lesion present  
 Insufficient tissue

M .. Missing tissue

A - Autolysis precludes evaluation

**BLANK** Not examined microscopically

TDMS No. 96015 - 05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: RATS/F 344

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Lab: SRI

	DAY ON TEST	6	7	7	7	7	7	4	6	7	6	6	7	5	7	7	4	7	6	7	6	7	7	7	7	6
		9	2	3	3	3	3	9	6	2	5	6	0	6	3	3	9	2	7	2	2	3	3	2	4	
		9	9	1	1	1	0	0	6	2	9	2	4	9	8	0	0	4	9	4	9	2	0	0	9	7
<hr/>																										
<b>FISCHER 344 RATS MALE</b>		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>ANIMAL ID</b>		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>100 MG/L</b>		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	5
		6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0
<hr/>																										
<b>* TOTALS</b>																										

**ALIMENTARY SYSTEM**

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49	
Adenoma																											1
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Adenoma																											1
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Leukemia Mononuclear																											2
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	49	
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Hepatocellular Adenoma																											1
Hepatocellular Carcinoma																	X										1
Leukemia Mononuclear	X	X	X					X		X	X	X				X	X				X					20	
Mesentery	+	+							+	+			+				+	+	+	+		+	+			18	

\* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x .. Lesion present

| .. Insufficient tissue

M .. Missing tissue

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BLANK .. Not examined microscopically

TDMS No. 96015 - 05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: RATS/F 344

## P04: NEOPLASMS BY INDIVIDUAL ANIMAL

WATER DISINFECTION BYPRODUCTS (DIBROMOACETONITRILE)

CAS Number: 3252-43-5

Pathologist: FARRELL, D. - HEATH, J. - JOKINEN, M.

Date Report Reqsted: 06/09/2006

Time Report Reqsted: 12:50:37

First Dose M/F: 09/05/01 / 09/05/01

Lab: SRI

FISCHER 344 RATS MALE 100 MG/L	ANIMAL ID	DAY ON TEST																								* TOTALS	
		6	7	7	7	7	7	4	6	7	6	6	7	5	7	7	4	7	6	7	6	7	7	7	7		
		9	2	3	3	3	3	9	6	2	5	6	0	6	3	3	9	2	7	2	2	3	3	2	4		
		9	9	1	1	1	0	0	6	2	9	2	4	9	8	0	0	4	9	4	9	2	0	0	9	7	
Leukemia Mononuclear		X																									6
Oral Mucosa																											1
Squamous Cell Papilloma																											1
Pancreas		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Leukemia Mononuclear																											4
Acinus, Adenoma																											2
Duct, Carcinoma																											1
Salivary Glands		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Stomach, Forestomach		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Leukemia Mononuclear																											3
Stomach, Glandular		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Leukemia Mononuclear																											4
Tongue																											3
Squamous Cell Carcinoma																											1
Squamous Cell Papilloma																											1

## CARDIOVASCULAR SYSTEM

Blood Vessel	+			+	3
--------------	---	--	--	---	---

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	6	7	7	7	7	7	4	6	7	6	6	7	5	7	7	4	7	6	7	6	7	7	7	6
	9	2	3	3	3	3	9	6	2	5	6	0	6	3	3	9	2	7	2	2	3	3	2	4
	9	9	1	1	1	0	0	6	2	9	2	4	9	8	0	0	4	9	4	9	2	0	0	9
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>FISCHER 344 RATS MALE</b>	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
<b>100 MG/L</b>	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	5
	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9
																								<b>* TOTALS</b>

Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Leukemia Mononuclear	X																							10

**ENDOCRINE SYSTEM**

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Leukemia Mononuclear	X																							12
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Ganglioneuroma																								1
Leukemia Mononuclear	X																							11
Pheochromocytoma Benign																								7
Pheochromocytoma Malignant																								3
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Adenoma																								3
Carcinoma																								1
Parathyroid Gland	+	+	+	+	+	M	+	+	M	+	+	M	+	+	+	M	+	M	+	+	+	+	+	43
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Leukemia Mononuclear																								4
Pars Distalis, Adenoma	X	X					X	X	X			X	X	X	X	X	X	X	X	X	X	X	X	20

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+ .. Tissue examined microscopically

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TDMS No. 96015 - 05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: RATS/F 344

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WATER DISINFECTION BYPRODUCTS (DIBROMOACETONITRILE)

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Pathologist: FARRELL, D. - HEATH, J. - JOKINEN, M.

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First Dose M/F: 09/05/01 / 09/05/01

Lab: SRI

DAY ON TEST	6	7	7	7	7	7	4	6	7	6	6	7	5	7	7	4	7	6	7	6	7	7	7	7	6
	9	2	3	3	3	3	9	6	2	5	6	0	6	3	3	9	2	7	2	2	3	3	2	4	4
	9	9	1	1	1	0	0	6	2	9	2	4	9	8	0	0	4	9	4	9	2	0	0	9	7
<b>FISCHER 344 RATS MALE</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>ANIMAL ID</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>100 MG/L</b>	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	5
	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0
	<b>* TOTALS</b>																								
Leukemia Mononuclear	X																				X				2
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Leukemia Mononuclear																									1
Bilateral, Interstitial Cell, Adenoma	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	38	
Interstitial Cell, Adenoma																									4

**HEMATOPOIETIC SYSTEM**

Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Leukemia Mononuclear	X	X																							15
Lymph Node	+																								19
Deep Cervical, Leukemia Mononuclear	X																								3
Mediastinal, Leukemia Mononuclear	X																								9
Pancreatic, Leukemia Mononuclear	X																								10
Lymph Node, Mandibular	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	3	
Leukemia Mononuclear																									2
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Leukemia Mononuclear	X																								17
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	

\* .. Total animals with tissue examined microscopically; Total animals with tumor

M .. Missing tissue

+ .. Tissue examined microscopically

A .. Autolysis precludes evaluation

x .. Lesion present

BLANK .. Not examined microscopically

| .. Insufficient tissue

TDMS No. 96015 - 05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: RATS/F 344

## P04: NEOPLASMS BY INDIVIDUAL ANIMAL

WATER DISINFECTION BYPRODUCTS (DIBROMOACETONITRILE)

CAS Number: 3252-43-5

Pathologist: FARRELL, D. - HEATH, J. - JOKINEN, M.

Date Report Reqsted: 06/09/2006

Time Report Reqsted: 12:50:37

First Dose M/F: 09/05/01 / 09/05/01

Lab: SRI

	6	7	7	7	7	7	4	6	7	6	6	7	5	7	7	4	7	6	7	6	7	7	7	6
	9	2	3	3	3	3	9	6	2	5	6	0	6	3	3	9	2	7	2	2	3	3	2	4
	9	9	1	1	1	0	0	6	2	9	2	4	9	8	0	0	4	9	4	9	2	0	0	9
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>FISCHER 344 RATS MALE</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>100 MG/L</b>	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	5
	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9
	<b>* TOTALS</b>																							
Leukemia Mononuclear	X	X	X				X		X	X	X				X		X			X				20
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	44
Leukemia Mononuclear	X						X		X	X	X				X		X			X				13

**INTEGUMENTARY SYSTEM**

Mammary Gland	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47	
Carcinoma																									1
Fibroadenoma																									3
Histiocytic Sarcoma, Metastatic, Skin																									1
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Basal Cell Adenoma																									2
Keratoacanthoma							X																		5
Trichoepithelioma																							X		1
Pinna, Neural Crest Tumor																									1
Sebaceous Gland, Adenoma																									1
Subcutaneous Tissue, Fibroma																									1
Subcutaneous Tissue, Fibroma, Multiple																			X						3
Subcutaneous Tissue, Histiocytic Sarcoma																									1
Subcutaneous Tissue, Leukemia Mononuclear																									1

\* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x .. Lesion present

| .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 96015 - 05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: RATS/F 344

## P04: NEOPLASMS BY INDIVIDUAL ANIMAL

WATER DISINFECTION BYPRODUCTS (DIBROMOACETONITRILE)

CAS Number: 3252-43-5

Pathologist: FARRELL, D. - HEATH, J. - JOKINEN, M.

Date Report Reqsted: 06/09/2006

Time Report Reqsted: 12:50:37

First Dose M/F: 09/05/01 / 09/05/01

Lab: SRI

	6	7	7	7	7	7	4	6	7	6	6	7	5	7	7	4	7	6	7	6	7	7	7	6	
	9	2	3	3	3	3	9	6	2	5	6	0	6	3	3	9	2	7	2	2	3	3	2	4	
	9	9	1	1	1	0	0	6	2	9	2	4	9	8	0	0	4	9	4	9	2	0	0	9	7
DAY ON TEST																									
FISCHER 344 RATS MALE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
100 MG/L	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	5
	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0
																									* TOTALS

## MUSCULOSKELETAL SYSTEM

Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Vertebra, Chordoma																									1
Skeletal Muscle																									1

## NERVOUS SYSTEM

Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Carcinoma, Metastatic, Zymbal'S Gland																									1
Leukemia Mononuclear	X																								4
Peripheral Nerve																									4
Schwannoma Malignant																									1
Spinal Cord																									5

## RESPIRATORY SYSTEM

Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Alveolar/Bronchiolar Carcinoma																									1
Carcinoma, Metastatic, Zymbal'S Gland																									1

\* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x .. Lesion present

| .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 96015 - 05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: RATS/F 344

## P04: NEOPLASMS BY INDIVIDUAL ANIMAL

WATER DISINFECTION BYPRODUCTS (DIBROMOACETONITRILE)

CAS Number: 3252-43-5

Pathologist: FARRELL, D. - HEATH, J. - JOKINEN, M.

Date Report Reqsted: 06/09/2006

Time Report Reqsted: 12:50:37

First Dose M/F: 09/05/01 / 09/05/01

Lab: SRI

DAY ON TEST	6	7	7	7	7	7	4	6	7	6	6	7	5	7	7	4	7	6	7	6	7	7	7	6	
	9	2	3	3	3	3	9	6	2	5	6	0	6	3	3	9	2	7	2	2	3	3	2	4	
	9	9	1	1	1	0	0	6	2	9	2	4	9	8	0	0	4	9	4	9	2	0	0	9	7
<b>FISCHER 344 RATS MALE</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>ANIMAL ID</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>100 MG/L</b>	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	5
	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0

**\* TOTALS**

Chordoma, Metastatic, Uncertain Primary Site																										1
Leukemia Mononuclear	X								X			X	X				X		X			X			13	
Neural Crest Tumor, Metastatic, Skin																										1
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Leukemia Mononuclear																	X									1
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	

**SPECIAL SENSES SYSTEM**

Ear																										1
Eye	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	48	
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Zymbal's Gland									+																	2
Carcinoma									X																	2

**URINARY SYSTEM**

Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Leukemia Mononuclear	X								X			X	X				X		X			X			13

\* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x .. Lesion present

| .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

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TDMS No. 96015 - 05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: RATS/F 344

## P04: NEOPLASMS BY INDIVIDUAL ANIMAL

WATER DISINFECTION BYPRODUCTS (DIBROMOACETONITRILE)

CAS Number: 3252-43-5

Pathologist: FARRELL, D. - HEATH, J. - JOKINEN, M.

Date Report Reqsted: 06/09/2006

Time Report Reqsted: 12:50:37

First Dose M/F: 09/05/01 / 09/05/01

Lab: SRI

	6	7	7	7	7	7	4	6	7	6	6	7	5	7	7	4	7	6	7	6	7	7	7	6
	9	2	3	3	3	3	9	6	2	5	6	0	6	3	3	9	2	7	2	2	3	3	2	4
	9	9	1	1	1	0	0	6	2	9	2	4	9	8	0	0	4	9	4	9	2	0	0	9
	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
<b>FISCHER 344 RATS MALE</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>100 MG/L</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	5
	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9
																								<b>* TOTALS</b>

Urethra	+	1
Leukemia Mononuclear	X	1
Urinary Bladder	+	49
Leukemia Mononuclear	X	2

**SYSTEMIC LESIONS**

Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Histiocytic Sarcoma																								1
Leukemia Mononuclear	X	X	X				X		X	X	X			X		X		X		X		X		20

\* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x .. Lesion present

| .. Insufficient tissue

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TDMS No. 96015 - 05

**Test Type: CHRONIC**

**Route:** DOSED WATER

**Species/Strain:** RATS/F 344

**P04: NEOPLASMS BY INDIVIDUAL ANIMAL**  
WATER DISINFECTION BYPRODUCTS (DIBROMOACETONITRILE)  
**CAS Number:** 3252-43-5  
**Pathologist:** FARRELL, D. - HEATH, J. - JOKINEN, M.

Date Report Registered: 06/09/2006

Time Report Requested: 12:50:37

**First Dose M/F:** 09/05/01 / 09/05/01

Lab: SRI

## ALIMENTARY SYSTEM

\* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x .. Lesion present

| .. Insufficient tissue

M .. Missing tissue

A. Autolysis precludes evaluation

BLANK .. Not examined microscopically



TDMS No. 96015 - 05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: RATS/F 344

## P04: NEOPLASMS BY INDIVIDUAL ANIMAL

WATER DISINFECTION BYPRODUCTS (DIBROMOACETONITRILE)

CAS Number: 3252-43-5

Pathologist: FARRELL, D. - HEATH, J. - JOKINEN, M.

Date Report Reqsted: 06/09/2006

Time Report Reqsted: 12:50:37

First Dose M/F: 09/05/01 / 09/05/01

Lab: SRI

	7	7	7	7	7	7	7	6	7	7	7	6	7	6	6	6	7	7	7	7	7	5	7	
	2	2	2	3	3	3	2	3	8	2	2	2	9	2	9	8	8	8	3	3	3	1	3	0
	9	9	9	0	0	0	0	1	1	9	9	9	5	9	9	9	0	1	1	1	0	0	8	4
<hr/>																								
<b>FISCHER 344 RATS MALE</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>200 MG/L</b>	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	5	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6	6	6	7	7	7	7	7	7
	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4

males  
(cont...)

Squamous Cell Carcinoma

X

Squamous Cell Papilloma

## CARDIOVASCULAR SYSTEM

Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Leukemia Mononuclear																		X				X	X
Schwannoma Benign																		X					

## ENDOCRINE SYSTEM

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Adenoma																		X						
Leukemia Mononuclear																		X					X	
<hr/>																								
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	
Leukemia Mononuclear																		X					X	
Pheochromocytoma Benign																			X					
Pheochromocytoma Complex																								
Bilateral, Pheochromocytoma Benign							X																	
<hr/>																								
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Adenoma																		X						
Carcinoma							X												X					

\* .. Total animals with tissue examined microscopically; Total animals with tumor

M .. Missing tissue

+ .. Tissue examined microscopically

A .. Autolysis precludes evaluation

x .. Lesion present

BLANK .. Not examined microscopically

| .. Insufficient tissue

TDMS No. 96015 - 05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: RATS/F 344

**P04: NEOPLASMS BY INDIVIDUAL ANIMAL**

WATER DISINFECTION BYPRODUCTS (DIBROMOACETONITRILE)

CAS Number: 3252-43-5

Pathologist: FARRELL, D. - HEATH, J. - JOKINEN, M.

Date Report Reqsted: 06/09/2006

Time Report Reqsted: 12:50:37

First Dose M/F: 09/05/01 / 09/05/01

Lab: SRI

FISCHER 344 RATS MALE 200 MG/L	ANIMAL ID	7	7	7	7	7	7	7	6	7	7	7	6	7	6	6	6	7	7	7	7	7	5	7	
		2	2	2	3	3	3	2	3	8	2	2	2	9	2	9	8	8	8	3	3	3	1	3	0
		9	9	9	0	0	0	0	1	1	9	9	9	5	9	9	9	0	1	1	1	1	0	0	4
males (cont...)																									

Parathyroid Gland	+	+	+	+	+	+	M	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenoma																								
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Leukemia Mononuclear																								
Pars Distalis, Adenoma	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
Thyroid Gland	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A
C-cell, Adenoma																								X
Follicular Cell, Carcinoma																								

**GENERAL BODY SYSTEM**

Peritoneum	.....
Mesothelioma Malignant	
Tunica Vaginalis, Mesothelioma Malignant	
Tissue NOS	.....

**GENITAL SYSTEM**

Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
------------	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

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TDMS No. 96015 - 05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: RATS/F 344

## P04: NEOPLASMS BY INDIVIDUAL ANIMAL

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Lab: SRI

DAY ON TEST	7	7	7	7	7	7	7	6	7	7	7	6	7	6	6	6	7	7	7	7	7	5	7	
	2	2	2	3	3	3	2	3	8	2	2	2	9	2	9	8	8	8	3	3	3	1	3	0
	9	9	9	0	0	0	0	1	1	9	9	9	5	9	9	0	1	1	1	1	0	0	8	4

**FISCHER 344 RATS MALE**

ANIMAL ID

200 MG/L

males  
(cont...)

Leukemia Mononuclear	X																						
Mediastinal, Leukemia Mononuclear		X																X	X				
Pancreatic, Leukemia Mononuclear			X																X				
Lymph Node, Mandibular	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Leukemia Mononuclear								X							X						X	X	X
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Histiocytic Sarcoma																							
Leukemia Mononuclear								X							X			X		X	X	X	X
Thymus	+	+	I	+	+	+	+	+	+	+	+	+	+	+	+	I	I	+	+	+	+	+	+
Leukemia Mononuclear								X												X	X		

**INTEGUMENTARY SYSTEM**

Mammary Gland	+	+	M	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	M	+	+	+	+
Fibroadenoma															X				X				
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Basal Cell Adenoma																							
Basal Cell Carcinoma																			X				

\* .. Total animals with tissue examined microscopically; Total animals with tumor

M .. Missing tissue

+ .. Tissue examined microscopically

A .. Autolysis precludes evaluation

x .. Lesion present

BLANK .. Not examined microscopically

I .. Insufficient tissue

TDMS No. 96015 - 05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: RATS/F 344

## P04: NEOPLASMS BY INDIVIDUAL ANIMAL

WATER DISINFECTION BYPRODUCTS (DIBROMOACETONITRILE)

CAS Number: 3252-43-5

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Lab: SRI

	7	7	7	7	7	7	7	6	7	7	7	6	7	6	6	6	7	7	7	7	7	7	5	7	
	2	2	2	3	3	3	2	3	8	2	2	2	9	2	9	8	8	8	3	3	3	3	1	3	0
	9	9	9	0	0	0	0	1	1	9	9	9	5	9	9	9	0	1	1	1	1	0	0	8	4
<b>FISCHER 344 RATS MALE</b>																									
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200 MG/L	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	5	5	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6	6	6	7	7	7	7	7	7
	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5

males  
(cont...)

Keratoacanthoma	X
Squamous Cell Carcinoma	X
Squamous Cell Papilloma	
Subcutaneous Tissue, Fibroma	X
Subcutaneous Tissue, Fibroma, Multiple	X
Subcutaneous Tissue, Histiocytic Sarcoma	X
Subcutaneous Tissue, Leukemia Mononuclear	X

**MUSCULOSKELETAL SYSTEM**

Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Skeletal Muscle																								
Histiocytic Sarcoma																								

**NERVOUS SYSTEM**

Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Histiocytic Sarcoma																								
Leukemia Mononuclear																								

**RESPIRATORY SYSTEM**

* .. Total animals with tissue examined microscopically; Total animals with tumor	M .. Missing tissue
+ .. Tissue examined microscopically	A .. Autolysis precludes evaluation
x .. Lesion present	BLANK .. Not examined microscopically
.. Insufficient tissue	



TDMS No. 96015 - 05

**Test Type: CHRONIC**

**Route:** DOSED WATER

**Species/Strain:** RATS/F 344

**P04: NEOPLASMS BY INDIVIDUAL ANIMAL**  
**WATER DISINFECTION BYPRODUCTS (DIBROMOACETONITRILE)**  
**CAS Number:** 3252-43-5  
**Pathologist:** FARRELL, D. - HEATH, J. - JOKINEN, M.

Date Report Registered: 06/09/2006

Time Report Requested: 12:50:37

**First Dose M/F:** 09/05/01 / 09/05/01

Lab: SRI

	7	7	7	7	7	7	7	6	7	7	7	6	7	6	6	6	7	7	7	7	7	5	7		
DAY ON TEST	2	2	2	3	3	3	2	3	8	2	2	2	9	2	9	8	8	3	3	3	3	1	3	0	
	9	9	9	0	0	0	0	1	1	9	9	9	5	9	9	9	0	1	1	1	1	0	8	4	
<b>FISCHER 344 RATS MALE</b>																									
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
	5	5	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6	6	7	7	7	7	7	7	
	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5

## Urinary Bladder

#### **Leukemia Mononuclear**

## **SYSTEMIC LESIONS**

## Multiple Organ

### Histiocytic Sarcoma

### Leukemia Mononuclear

#### Mesothelioma Malignant

\* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x .. Lesion present

| Insufficient tissue

M .. Missing tissue

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TDMS No. 96015 - 05

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	7	7	7	7	7	7	7	7	0	7	3	7	7	7	6	7	7	7	7	7	5	7	7	
	2	2	1	3	3	2	2	2	3	1	3	8	2	2	3	3	3	3	3	3	2	2	9	3
	9	9	4	0	0	9	2	9	0	3	0	3	9	9	0	6	0	1	1	1	9	9	2	0
<b>FISCHER 344 RATS MALE</b>																								
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	7	7	7	7	8	8	8	8	8	8	8	8	8	8	9	9	9	9	9	9	9	9	9	0
	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9
	<b>* TOTALS</b>																							

**ALIMENTARY SYSTEM**

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Intestine Large, Cecum	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Leukemia Mononuclear															X									2
Intestine Large, Colon	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Adenoma															X									2
Leukemia Mononuclear															X									2
Intestine Large, Rectum	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Intestine Small, Duodenum	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Leukemia Mononuclear															X									1
Intestine Small, Ileum	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Leukemia Mononuclear															X									5
Intestine Small, Jejunum	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Leukemia Mononuclear															X									1
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Histiocytic Sarcoma																								1
Leukemia Mononuclear	X	X	X				X	X	X				X	X		X	X		X		X	X		20

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+ .. Tissue examined microscopically

x .. Lesion present

| .. Insufficient tissue

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TDMS No. 96015 - 05

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Species/Strain: RATS/F 344

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	7	7	7	7	7	7	7	7	0	7	3	7	7	7	6	7	7	7	7	5	7	7	
	2	2	1	3	3	2	2	2	3	1	3	8	2	2	3	3	3	3	3	3	2	9	3
	9	9	4	0	0	9	2	9	0	3	0	3	9	9	0	6	0	1	1	1	9	9	0
<b>FISCHER 344 RATS MALE</b>																							
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	7	7	7	7	8	8	8	8	8	8	8	8	8	8	9	9	9	9	9	9	9	9	0
	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8
	<b>* TOTALS</b>																						

Mesentery	+	+	+	+	+																			15
Leukemia Mononuclear		X																						7
Mesothelioma Malignant						X																		1
<hr/>																								
Oral Mucosa							+																	3
Squamous Cell Carcinoma							X																	2
Squamous Cell Papilloma																								1
<hr/>																								
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Leukemia Mononuclear		X																						6
<hr/>																								
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Leukemia Mononuclear		X																						2
<hr/>																								
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Leukemia Mononuclear		X																						3
Squamous Cell Papilloma						X																		1
<hr/>																								
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Adenoma																								1
Adenoma, Multiple																								1
Leukemia Mononuclear		X																						3
<hr/>																								
Tongue								+										+						5

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M .. Missing tissue

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	7	7	7	7	7	7	7	7	0	7	3	7	7	7	6	7	7	7	7	5	7	7	
	2	2	1	3	3	2	2	2	3	1	3	8	2	2	3	3	3	3	3	3	2	2	9
	9	9	4	0	0	9	2	9	0	3	0	3	9	9	0	6	0	1	1	1	9	9	2
<b>FISCHER 344 RATS MALE</b>																							
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200 MG/L	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	7	7	7	7	8	8	8	8	8	8	8	8	8	8	9	9	9	9	9	9	9	9	0
	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8
	<b>* TOTALS</b>																						

Squamous Cell Carcinoma

1

Squamous Cell Papilloma

1

**CARDIOVASCULAR SYSTEM**

Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Leukemia Mononuclear							X										X							6
Schwannoma Benign																								2

**ENDOCRINE SYSTEM**

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
Adenoma																		X						1	
Leukemia Mononuclear																			X	X				5	
<b>Adrenal Medulla</b>																								49	
Leukemia Mononuclear																				X	X				6
Pheochromocytoma Benign							X										X					X	X	7	
Pheochromocytoma Complex								X										X						1	
Bilateral, Pheochromocytoma Benign																									1
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
Adenoma																		X							3
Carcinoma																									2

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TDMS No. 96015 - 05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: RATS/F 344

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	7	7	7	7	7	7	7	7	0	7	3	7	7	7	6	7	7	7	7	7	5	7	7	
	2	2	1	3	3	2	2	2	3	1	3	8	2	2	3	3	3	3	3	3	2	2	9	3
	9	9	4	0	0	9	2	9	0	3	0	3	9	9	0	6	0	1	1	1	9	9	2	0
<b>FISCHER 344 RATS MALE</b>																								
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
	7	7	7	7	8	8	8	8	8	8	8	8	8	8	9	9	9	9	9	9	9	9	9	0
	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9
	<b>* TOTALS</b>																							

Parathyroid Gland	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47		
Adenoma																									1	
<hr/>																										
Pituitary Gland	+	+	+	+	+	+	+	I	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49		
Leukemia Mononuclear								X																	1	
Pars Distalis, Adenoma	X	X	X	X	X	X																			24	
<hr/>																										
Thyroid Gland	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46		
C-cell, Adenoma	X	X	X	X	X	X	X	X																	9	
Follicular Cell, Carcinoma							X																			1

**GENERAL BODY SYSTEM**

Peritoneum	+																									2
Mesothelioma Malignant		X																								1
Tunica Vaginalis, Mesothelioma Malignant			X																							1
<hr/>																										
Tissue NOS		+																								1

**GENITAL SYSTEM**

Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
------------	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	----

\* .. Total animals with tissue examined microscopically; Total animals with tumor

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TDMS No. 96015 - 05

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Species/Strain: RATS/F 344

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	7	7	7	7	7	7	7	7	0	7	3	7	7	7	6	7	7	7	7	7	7	5	7	7	
	2	2	1	3	3	2	2	2	3	1	3	8	2	2	3	3	3	3	3	3	2	2	9	3	3
	9	9	4	0	0	9	2	9	0	3	0	3	9	9	0	6	0	1	1	1	9	9	2	0	0
<b>FISCHER 344 RATS MALE</b>																									
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
	7	7	7	7	8	8	8	8	8	8	8	8	8	8	8	9	9	9	9	9	9	9	9	9	0
	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0
	<b>* TOTALS</b>																								

Leukemia Mononuclear																									2
Mesothelioma Malignant																									1
	X																								
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Adenoma																									1
Leukemia Mononuclear																									X 2
Prostate	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Leukemia Mononuclear																									X 3
	X																								
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Leukemia Mononuclear																									2
	X																								
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Leukemia Mononuclear																									1
Bilateral, Interstitial Cell, Adenoma	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	40	
Interstitial Cell, Adenoma																									X 8
	X																								

**HEMATOPOIETIC SYSTEM**

Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Leukemia Mononuclear		X	X			X			X			X			X			X		X		X		9
Lymph Node	+	+		+		+		+		+		+		+		+		+		+		+		21

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FISCHER 344 RATS MALE 200 MG/L	ANIMAL ID	DAY ON TEST																								
		7	7	7	7	7	7	7	0	7	3	7	7	7	6	7	7	7	7	7	7	5	7	7		
		2	2	1	3	3	2	2	3	1	3	8	2	2	3	3	3	3	3	3	3	2	2	9	3	3
		9	9	4	0	0	9	2	9	0	3	0	3	9	9	0	6	0	1	1	9	9	2	0	0	
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	
		7	7	7	7	8	8	8	8	8	8	8	8	8	8	8	9	9	9	9	9	9	9	9	0	
		6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	
		* TOTALS																								
Leukemia Mononuclear		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1	
Mediastinal, Leukemia Mononuclear		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	10	
Pancreatic, Leukemia Mononuclear		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	8	
Lymph Node, Mandibular		M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	0	
Lymph Node, Mesenteric		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Leukemia Mononuclear		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	17	
Spleen		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Histiocytic Sarcoma																										1
Leukemia Mononuclear		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	19	
Thymus		+	+	I	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	45
Leukemia Mononuclear		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	10	

## INTEGUMENTARY SYSTEM

Mammary Gland	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
Fibroadenoma										X															2
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Basal Cell Adenoma										X															2
Basal Cell Carcinoma										X															1

\* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 96015 - 05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: RATS/F 344

## P04: NEOPLASMS BY INDIVIDUAL ANIMAL

WATER DISINFECTION BYPRODUCTS (DIBROMOACETONITRILE)

CAS Number: 3252-43-5

Pathologist: FARRELL, D. - HEATH, J. - JOKINEN, M.

Date Report Reqsted: 06/09/2006

Time Report Reqsted: 12:50:37

First Dose M/F: 09/05/01 / 09/05/01

Lab: SRI

	7	7	7	7	7	7	7	7	0	7	3	7	7	7	6	7	7	7	7	7	7	5	7	7	
	2	2	1	3	3	2	2	2	3	1	3	8	2	2	3	3	3	3	3	3	2	2	9	3	3
	9	9	4	0	0	9	2	9	0	3	0	3	9	9	0	6	0	1	1	1	9	9	2	0	0
<hr/>																									
<b>FISCHER 344 RATS MALE</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>ANIMAL ID</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>200 MG/L</b>	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
	7	7	7	7	8	8	8	8	8	8	8	8	8	8	8	9	9	9	9	9	9	9	9	9	0
	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0
<hr/>																									
<b>* TOTALS</b>																									

Keratoacanthoma	X																								5
Squamous Cell Carcinoma																									1
Squamous Cell Papilloma																									1
Subcutaneous Tissue, Fibroma																									4
Subcutaneous Tissue, Fibroma, Multiple																									2
Subcutaneous Tissue, Histiocytic Sarcoma																									1
Subcutaneous Tissue, Leukemia Mononuclear	X																								2

**MUSCULOSKELETAL SYSTEM**

Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Skeletal Muscle																									1
Histiocytic Sarcoma																									1

**NERVOUS SYSTEM**

Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Histiocytic Sarcoma																									1
Leukemia Mononuclear																									1

**RESPIRATORY SYSTEM**

* .. Total animals with tissue examined microscopically; Total animals with tumor	M .. Missing tissue
+ .. Tissue examined microscopically	A .. Autolysis precludes evaluation
x .. Lesion present	BLANK .. Not examined microscopically
.. Insufficient tissue	

TDMS No. 96015 - 05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: RATS/F 344

## P04: NEOPLASMS BY INDIVIDUAL ANIMAL

WATER DISINFECTION BYPRODUCTS (DIBROMOACETONITRILE)

CAS Number: 3252-43-5

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Date Report Reqsted: 06/09/2006

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First Dose M/F: 09/05/01 / 09/05/01

Lab: SRI

	7	7	7	7	7	7	7	7	0	7	3	7	7	7	6	7	7	7	7	5	7	7	
	2	2	1	3	3	2	2	2	3	1	3	8	2	2	3	3	3	3	3	3	2	2	3
	9	9	4	0	0	9	2	9	0	3	0	3	9	9	0	6	0	1	1	9	9	2	0
<b>FISCHER 344 RATS MALE</b>																							
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	7	7	7	7	8	8	8	8	8	8	8	8	8	8	9	9	9	9	9	9	9	9	0
	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8
	<b>* TOTALS</b>																						

Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Histiocytic Sarcoma																							1
Leukemia Mononuclear	X	X		X	X																		12
<b>Nose</b>																							
Leukemia Mononuclear	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Squamous Cell Carcinoma, Metastatic, Oral Mucosa																							1
Pleura															+								1
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50

**SPECIAL SENSES SYSTEM**

Eye	+	+	+	+	+	+	A	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	47
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Leukemia Mononuclear																							1

**URINARY SYSTEM**

Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Leukemia Mononuclear							X			X													9

\* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x .. Lesion present

| .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 96015 - 05

**Test Type: CHRONIC**

**Route:** DOSED WATER

**Species/Strain:** RATS/F 344

**P04: NEOPLASMS BY INDIVIDUAL ANIMAL**  
**WATER DISINFECTION BYPRODUCTS (DIBROMOACETONITRILE)**  
**CAS Number: 3252-43-5**  
**Pathologist: FARRELL, D. - HEATH, J. - JOKINEN, M.**

Date Report Registered: 06/09/2006

Time Report Requested: 12:50:37

**First Dose M/F:** 09/05/01 / 09/05/01

Lab: SRI

	7	7	7	7	7	7	7	7	0	7	3	7	7	7	6	7	7	7	7	7	5	7	7
DAY ON TEST	2	2	1	3	3	2	2	2	3	1	3	8	2	2	3	3	3	3	3	2	9	3	3
	9	9	4	0	0	9	2	9	0	3	0	3	9	9	0	6	0	1	1	1	9	2	0
<hr/>																							
<b>FISCHER 344 RATS MALE</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>ANIMAL ID</b>	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
<b>200 MG/L</b>	7	7	7	7	8	8	8	8	8	8	8	8	8	9	9	9	9	9	9	9	9	9	0
	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8

## Urinary Bladder

#### **Leukemia Mononuclear**

X 1

## **SYSTEMIC LESIONS**

## Multiple Organ

## Histiocytic Sarcoma

2

## Leukemia Mononuclear

X X X      X X X      X X      X X      X      X X      **20**

## Mesothelioma Malignant

1

\*\*\* END OF MALE DATA \*\*\*

\* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x .. Lesion present

| Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically



TDMS No. 96015 - 05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: RATS/F 344

## P04: NEOPLASMS BY INDIVIDUAL ANIMAL

WATER DISINFECTION BYPRODUCTS (DIBROMOACETONITRILE)

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Lab: SRI

DAY ON TEST	6	6	7	7	7	6	6	7	7	5	7	6	5	7	7	7	7	7	7	7	5	7	6	5	7		
	7	7	3	3	3	7	2	3	2	6	3	8	8	3	3	3	1	3	3	3	3	3	5	3	7	3	1
	1	1	4	4	4	1	6	5	2	2	4	9	3	4	4	4	4	4	4	4	4	1	5	0	5	4	
<b>FISCHER 344 RATS FEMALE</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<b>0 MG/L</b>	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	
	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5		
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Leukemia Mononuclear										X	X							X			X	X					
Lymphoma Malignant																											
Mesentery	+		+							+	+			+				+									
Leukemia Mononuclear											X																
Lymphoma Malignant																											
Schwannoma Malignant, Metastatic,																											
Uterus																											
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Leukemia Mononuclear											X																
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Leukemia Mononuclear																											
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Leukemia Mononuclear																											
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+		
Leukemia Mononuclear																											
Tongue																											
Squamous Cell Papilloma																											

\* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x .. Lesion present

| .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically







TDMS No. 96015 - 05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: RATS/F 344

## P04: NEOPLASMS BY INDIVIDUAL ANIMAL

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First Dose M/F: 09/05/01 / 09/05/01

Lab: SRI

	6	6	7	7	7	6	6	7	7	5	7	6	5	7	7	7	7	7	7	5	7	6	5	7	
	7	7	3	3	3	7	2	3	2	6	3	8	8	3	3	3	1	3	3	3	5	3	7	3	1
	1	1	4	4	4	1	6	5	2	2	4	9	3	4	4	4	4	4	4	4	1	5	0	5	4
DAY ON TEST	6	6	7	7	7	6	6	7	7	5	7	6	5	7	7	7	7	7	7	5	7	6	5	7	
FISCHER 344 RATS FEMALE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0 MG/L	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2
	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5

females  
(cont...)

Pancreatic, Leukemia Mononuclear

X

Pancreatic, Lymphoma Malignant

Lymph Node, Mandibular

M M M M M M M M M M M M M M + M M M M M M M M M M M M

Leukemia Mononuclear

Lymph Node, Mesenteric

+ +

Leukemia Mononuclear

X

Lymphoma Malignant

X

X

Spleen

+ +

Leukemia Mononuclear

X X

X

X

Thymus

+ M

Leukemia Mononuclear

X

X

X

Lymphoma Malignant

## INTEGUMENTARY SYSTEM

Mammary Gland

+ +

Carcinoma

X

X

Fibroadenoma

X

X

Fibroadenoma, Multiple

X X

\* .. Total animals with tissue examined microscopically; Total animals with tumor

M .. Missing tissue

+ .. Tissue examined microscopically

A .. Autolysis precludes evaluation

x .. Lesion present

BLANK .. Not examined microscopically

| .. Insufficient tissue

TDMS No. 96015 - 05

**Test Type: CHRONIC**

**Route:** DOSED WATER

**Species/Strain:** RATS/F 344

**P04: NEOPLASMS BY INDIVIDUAL ANIMAL**  
**WATER DISINFECTION BYPRODUCTS (DIBROMOACETONITRILE)**  
**CAS Number: 3252-43-5**  
**Pathologist: FARRELL, D. - HEATH, J. - JOKINEN, M.**

Date Report Registered: 06/09/2006

Time Report Requested: 12:50:37

**First Dose M/F:** 09/05/01 / 09/05/01

Lab: SRI

## Subcutaneous Tissue, Fibrosarcoma

#### **Subcutaneous Tissue. Leukemia**

## Mononuclear

## females (cont...)

## MUSCULOSKELETAL SYSTEM

### Skeletal Muscle

## Leukemia Mononuclear

## **NERVOUS SYSTEM**

## RESPIRATORY SYSTEM

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
+ .. Tissue examined microscopically  
x .. Lesion present  
| .. Insufficient tissue

M .. Missing tissue  
A .. Autolysis precludes evaluation  
BLANK .. Not examined microscopically



TDMS No. 96015 - 05

**Test Type: CHRONIC**

**Route:** DOSED WATER

**Species/Strain:** RATS/F 344

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**Date Report Registered:** 06/09/2006

Time Report Requested: 12:50:37

**First Dose M/F:** 09/05/01 / 09/05/01

## Lab: SRI

|                                | DAY ON TEST | 6 | 6 | 7 | 7 | 7 | 6 | 6 | 7 | 7 | 5 | 7 | 6 | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 5 | 7 | 6 | 5 | 7 |
|--------------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|                                |             | 7 | 7 | 3 | 3 | 3 | 7 | 2 | 3 | 2 | 6 | 3 | 8 | 8 | 3 | 3 | 3 | 1 | 3 | 3 | 5 | 3 | 7 | 3 | 1 |
|                                |             | 1 | 1 | 4 | 4 | 4 | 1 | 6 | 5 | 2 | 2 | 4 | 9 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 1 | 5 | 0 | 5 | 4 |
| <hr/>                          |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| <b>FISCHER 344 RATS FEMALE</b> | ANIMAL ID   | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <b>0 MG/L</b>                  |             | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
|                                |             | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 |
|                                |             | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 |

## Leukemia Mononuclear

## **SYSTEMIC LESIONS**

## Multiple Organ

## Leukemia Mononuclear

## Lymphoma Malignant

+ + + + + + + + X X + + + + + + + + X + + + + + + + + X X + + + + + + + +

X X X

## females (cont...)

- \* .. Total animals with tissue examined microscopically; Total animals with tumor
- + .. Tissue examined microscopically
- x .. Lesion present
- | .. Insufficient tissue

M .. Missing tissue  
A .. Autolysis precludes evaluation  
BLANK .. Not examined microscopically

TDMS No. 96015 - 05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: RATS/F 344

**P04: NEOPLASMS BY INDIVIDUAL ANIMAL**  
**WATER DISINFECTION BYPRODUCTS (DIBROMOACETONITRILE)**  
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Time Report Reqsted: 12:50:37

First Dose M/F: 09/05/01 / 09/05/01

Lab: SRI

| DAY ON TEST                    | 4 | 7 | 7 | 7 | 6 | 5 | 7 | 7 | 7 | 6 | 7 | 5 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 5               |
|--------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------------|
|                                | 0 | 0 | 3 | 3 | 0 | 6 | 3 | 3 | 3 | 9 | 3 | 5 | 3 | 3 | 3 | 3 | 5 | 3 | 3 | 3 | 3 | 3 | 9               |
|                                | 0 | 2 | 5 | 5 | 8 | 3 | 6 | 6 | 6 | 6 | 4 | 0 | 4 | 4 | 4 | 4 | 6 | 4 | 4 | 4 | 4 | 4 | 4               |
| <b>FISCHER 344 RATS FEMALE</b> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0               |
| ANIMAL ID                      | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0               |
| <b>0 MG/L</b>                  | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2               |
|                                | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 5               |
|                                | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8               |
|                                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>* TOTALS</b> |

**ALIMENTARY SYSTEM**

Esophagus

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |

Leukemia Mononuclear

Intestine Large, Cecum

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 46 |
| X |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2  |

Leukemia Mononuclear

Intestine Large, Colon

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| X |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |

Leukemia Mononuclear

Intestine Large, Rectum

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| X |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |

Carcinoma

Schwannoma Malignant, Metastatic,  
Uterus

Intestine Small, Duodenum

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2  |

Leukemia Mononuclear

Intestine Small, Ileum

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 45 |
| X |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 4  |

Leukemia Mononuclear

Intestine Small, Jejunum

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 42 |
| X |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |

Leukemia Mononuclear

\* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x .. Lesion present

| .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 96015 - 05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: RATS/F 344

## P04: NEOPLASMS BY INDIVIDUAL ANIMAL

WATER DISINFECTION BYPRODUCTS (DIBROMOACETONITRILE)

CAS Number: 3252-43-5

Pathologist: FARRELL, D. - HEATH, J. - JOKINEN, M.

Date Report Reqsted: 06/09/2006

Time Report Reqsted: 12:50:37

First Dose M/F: 09/05/01 / 09/05/01

Lab: SRI

| DAY ON TEST                                 | 4 | 7 | 7 | 7 | 6 | 5 | 7 | 7 | 7 | 6 | 7 | 5 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 5  |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
|   | 0 | 0 | 3 | 3 | 0 | 6 | 3 | 3 | 3 | 9 | 3 | 5 | 3 | 3 | 3 | 3 | 5 | 3 | 3 | 3 | 3 | 3 | 9  |
|   | 0 | 2 | 5 | 5 | 8 | 3 | 6 | 6 | 6 | 6 | 4 | 0 | 4 | 4 | 4 | 4 | 6 | 4 | 4 | 4 | 4 | 4 | 4  |
| <b>FISCHER 344 RATS FEMALE</b>              | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0  |
| <b>ANIMAL ID</b>                            | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0  |
| <b>0 MG/L</b>                               | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2  |
|   | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 5  |
|   | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8  |
|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
| Liver                                       | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Leukemia Mononuclear                        | X |   |   |   |   |   | X |   |   |   |   | X | X | X | X | X | X | X | X | X | X | X | 14 |
| Lymphoma Malignant                          |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   | 1  |
| Mesentery                                   | + |   | + | + |   | + |   |   |   |   |   | + | + | + | + | + | + | + | + | + | + | + | 20 |
| Leukemia Mononuclear                        | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 3  |
| Lymphoma Malignant                          |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   | 1  |
| Schwannoma Malignant, Metastatic,<br>Uterus |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   | 1  |
| Pancreas                                    | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Leukemia Mononuclear                        | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 3  |
| Salivary Glands                             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Leukemia Mononuclear                        | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2  |
| Stomach, Forestomach                        | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Leukemia Mononuclear                        | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 3  |
| Stomach, Glandular                          | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Leukemia Mononuclear                        | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2  |
| Tongue                                      |   |   |   |   |   |   |   |   |   |   |   | + |   |   |   |   |   |   |   |   |   |   | 2  |
| Squamous Cell Papilloma                     |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   | 1  |

\* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x .. Lesion present

| .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 96015 - 05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: RATS/F 344

## P04: NEOPLASMS BY INDIVIDUAL ANIMAL

WATER DISINFECTION BYPRODUCTS (DIBROMOACETONITRILE)

CAS Number: 3252-43-5

Pathologist: FARRELL, D. - HEATH, J. - JOKINEN, M.

Date Report Reqsted: 06/09/2006

Time Report Reqsted: 12:50:37

First Dose M/F: 09/05/01 / 09/05/01

Lab: SRI

| DAY ON TEST                    | 4 | 7 | 7 | 7 | 6 | 5 | 7 | 7 | 7 | 6 | 7 | 5 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 5               |
|--------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------------|
|                                | 0 | 0 | 3 | 3 | 0 | 6 | 3 | 3 | 3 | 9 | 3 | 5 | 3 | 3 | 3 | 3 | 5 | 3 | 3 | 3 | 3 | 3 | 3 | 9               |
|                                | 0 | 2 | 5 | 5 | 8 | 3 | 6 | 6 | 6 | 6 | 4 | 0 | 4 | 4 | 4 | 4 | 6 | 4 | 4 | 4 | 4 | 4 | 4 | 4               |
| <b>FISCHER 344 RATS FEMALE</b> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0               |
| ANIMAL ID                      | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0               |
| <b>0 MG/L</b>                  | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2               |
|                                | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5               |
|                                | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9               |
|                                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>* TOTALS</b> |

Tooth

1

## CARDIOVASCULAR SYSTEM

|                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |   |
|----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|---|
| Heart                | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |   |
| Leukemia Mononuclear | X |   |   |   |   |   | X |   |   |   |   | X |   |   | X |   |   | X |   |   |   |   |   |    | 5 |
| Schwannoma Benign    |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 1 |

## ENDOCRINE SYSTEM

|                         |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |   |
|-------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|---|
| Adrenal Cortex          | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |   |
| Leukemia Mononuclear    | X |   |   |   |   |   | X |   |   |   |   | X |   |   | X |   |   | X |   |   |   |   |   |    | 6 |
| Lymphoma Malignant      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 1 |
| Adrenal Medulla         | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |   |
| Leukemia Mononuclear    | X |   |   |   |   |   |   |   |   |   |   | X |   |   | X |   |   | X |   |   |   |   |   |    | 4 |
| Pheochromocytoma Benign |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 1 |
| Islets, Pancreatic      | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |   |
| Adenoma                 |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 1 |
| Parathyroid Gland       | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | M | + | + | + | + | 42 |   |
| Pituitary Gland         | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |   |

\* .. Total animals with tissue examined microscopically; Total animals with tumor

M .. Missing tissue

+ .. Tissue examined microscopically

A .. Autolysis precludes evaluation

x .. Lesion present

BLANK .. Not examined microscopically

| .. Insufficient tissue

TDMS No. 96015 - 05

**Test Type: CHRONIC**

**Route:** DOSED WATER

**Species/Strain:** RATS/F 344

**P04: NEOPLASMS BY INDIVIDUAL ANIMAL**  
**WATER DISINFECTION BYPRODUCTS (DIBROMOACETONITRILE)**  
**CAS Number:** 3252-43-5  
**Pathologist:** FARRELL, D. - HEATH, J. - JOKINEN, M.

Date Report Registered: 06/09/2006

Time Report Requested: 12:50:37

**First Dose M/F:** 09/05/01 / 09/05/01

Lab: SRI

| DAY ON TEST                    | 4 | 7 | 7 | 7 | 6 | 5 | 7 | 7 | 7 | 6 | 7 | 5 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 5 |
|--------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|                                | 0 | 0 | 3 | 3 | 0 | 6 | 3 | 3 | 3 | 9 | 3 | 5 | 3 | 3 | 3 | 3 | 5 | 3 | 3 | 3 | 3 | 3 | 9 |
|                                | 0 | 2 | 5 | 5 | 8 | 3 | 6 | 6 | 6 | 6 | 4 | 0 | 4 | 4 | 4 | 4 | 6 | 4 | 4 | 4 | 4 | 4 | 4 |
| <b>FISCHER 344 RATS FEMALE</b> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <b>0 MG/L</b>                  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|                                | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
|                                | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 |
|                                | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |

Leukemia Mononuclear X 1  
 Pars Distalis, Adenoma X X X X X X X X X X X 27

|                            |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
|----------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Thyroid Gland              | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 46 |
| Leukemia Mononuclear       | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |
| Bilateral, C-cell, Adenoma |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2  |
| C-cell, Adenoma            |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 4  |
| Follicular Cell, Adenoma   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   | 1  |

## **GENERAL BODY SYSTEM**

NONE

## **GENITAL SYSTEM**

\* .. Total animals with tissue examined microscopically; Total animals with tumor

M .. Missing tissue

+ .. Tissue examined microscopically

A.. Autolysis precludes evaluation

x Lesion present

BLANK Not examined microscopically

| Insufficient tissue

TDMS No. 96015 - 05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: RATS/F 344

## P04: NEOPLASMS BY INDIVIDUAL ANIMAL

WATER DISINFECTION BYPRODUCTS (DIBROMOACETONITRILE)

CAS Number: 3252-43-5

Pathologist: FARRELL, D. - HEATH, J. - JOKINEN, M.

Date Report Reqsted: 06/09/2006

Time Report Reqsted: 12:50:37

First Dose M/F: 09/05/01 / 09/05/01

Lab: SRI

| DAY ON TEST                              | 4 | 7 | 7 | 7 | 6 | 5 | 7 | 7 | 7 | 6 | 7 | 5 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 5               |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------------|
|  | 0 | 0 | 3 | 3 | 0 | 6 | 3 | 3 | 3 | 9 | 3 | 5 | 3 | 3 | 3 | 3 | 5 | 3 | 3 | 3 | 3 | 3 | 9               |
|  | 0 | 2 | 5 | 5 | 8 | 3 | 6 | 6 | 6 | 6 | 4 | 0 | 4 | 4 | 4 | 4 | 6 | 4 | 4 | 4 | 4 | 4 | 4               |
| <b>FISCHER 344 RATS FEMALE</b>           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0               |
| <b>ANIMAL ID</b>                         | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0               |
| <b>0 MG/L</b>                            | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2               |
|  | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 5               |
|  | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8               |
|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>* TOTALS</b> |
| Oviduct                                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1               |
| Leukemia Mononuclear                     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1               |
| Uterus                                   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50              |
| Hemangiosarcoma                          |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1               |
| Leukemia Mononuclear                     | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 4               |
| Endometrium, Polyp Stromal               |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 12              |
| Endometrium, Polyp Stromal, Multiple     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1               |
| Endometrium, Schwannoma Malignant        |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1               |
| Vagina                                   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 6               |
| Schwannoma Malignant, Metastatic, Uterus |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1               |

**HEMATOPOIETIC SYSTEM**

|                                     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
|-------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Bone Marrow                         | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Leukemia Mononuclear                | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X | X | X | X | X | X | 10 |
| Lymph Node                          |   | + |   | + |   |   |   |   |   |   |   |   |   |   |   |   | + | + | + | + | + | + | 21 |
| Leukemia Mononuclear                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |
| Deep Cervical, Leukemia Mononuclear |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |
| Deep Cervical, Lymphoma Malignant   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   | 1  |
| Mediastinal, Leukemia Mononuclear   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X | X | X | X | X | X | 9  |

\* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x .. Lesion present

| .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 96015 - 05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: RATS/F 344

## P04: NEOPLASMS BY INDIVIDUAL ANIMAL

WATER DISINFECTION BYPRODUCTS (DIBROMOACETONITRILE)

CAS Number: 3252-43-5

Pathologist: FARRELL, D. - HEATH, J. - JOKINEN, M.

Date Report Reqsted: 06/09/2006

Time Report Reqsted: 12:50:37

First Dose M/F: 09/05/01 / 09/05/01

Lab: SRI

| DAY ON TEST                      | 4 | 7 | 7 | 7 | 6 | 5 | 7 | 7 | 7 | 6 | 7 | 5 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 5 |                 |    |
|----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------------|----|
|                                  | 0 | 0 | 3 | 3 | 0 | 6 | 3 | 3 | 3 | 9 | 3 | 5 | 3 | 3 | 3 | 3 | 5 | 3 | 3 | 3 | 3 | 3 | 3 | 9               |    |
|                                  | 0 | 2 | 5 | 5 | 8 | 3 | 6 | 6 | 6 | 6 | 4 | 0 | 4 | 4 | 4 | 4 | 6 | 4 | 4 | 4 | 4 | 4 | 4 | 4               |    |
| <b>FISCHER 344 RATS FEMALE</b>   | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0               |    |
| ANIMAL ID                        | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0               |    |
| <b>0 MG/L</b>                    | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2               |    |
|                                  | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5               |    |
|                                  | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9               |    |
|                                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>* TOTALS</b> |    |
| Pancreatic, Leukemia Mononuclear |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   | X |   |   | X | X |   | X | X               | 7  |
| Pancreatic, Lymphoma Malignant   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |                 | 1  |
| Lymph Node, Mandibular           | + | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | 3               |    |
| Leukemia Mononuclear             |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                 | 1  |
| Lymph Node, Mesenteric           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50              |    |
| Leukemia Mononuclear             |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X | X | X |   |   |   |   |                 | 12 |
| Lymphoma Malignant               |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X | X |   |   |   |   |                 | 1  |
| Spleen                           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50              |    |
| Leukemia Mononuclear             |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X | X | X |   |   |   |   |                 | 14 |
| Thymus                           | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | 48              |    |
| Leukemia Mononuclear             |   | X |   |   |   |   |   |   |   |   |   | X |   |   |   |   | X | X | X |   |   |   |   |                 | 11 |
| Lymphoma Malignant               |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X | X |   |   |   |   |   |                 | 1  |

**INTEGUMENTARY SYSTEM**

|                        |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |
|------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|----|
| Mammary Gland          | I | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |    |
| Carcinoma              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 2  |
| Fibroadenoma           |   | X | X | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 14 |
| Fibroadenoma, Multiple |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X | X | X |   |   |   |   |    | 17 |

\* .. Total animals with tissue examined microscopically; Total animals with tumor

M .. Missing tissue

+ .. Tissue examined microscopically

A .. Autolysis precludes evaluation

x .. Lesion present

BLANK .. Not examined microscopically

I .. Insufficient tissue

TDMS No. 96015 - 05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: RATS/F 344

## P04: NEOPLASMS BY INDIVIDUAL ANIMAL

WATER DISINFECTION BYPRODUCTS (DIBROMOACETONITRILE)

CAS Number: 3252-43-5

Pathologist: FARRELL, D. - HEATH, J. - JOKINEN, M.

Date Report Reqsted: 06/09/2006

Time Report Reqsted: 12:50:37

First Dose M/F: 09/05/01 / 09/05/01

Lab: SRI

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |          |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------|
|   | 4 | 7 | 7 | 7 | 6 | 5 | 7 | 7 | 7 | 7 | 6 | 7 | 5 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 5        |
|   | 0 | 0 | 3 | 3 | 0 | 6 | 3 | 3 | 3 | 3 | 9 | 3 | 5 | 3 | 3 | 3 | 3 | 5 | 3 | 3 | 3 | 3 | 3 | 9        |
|   | 0 | 2 | 5 | 5 | 8 | 3 | 6 | 6 | 6 | 6 | 4 | 0 | 4 | 4 | 4 | 4 | 4 | 6 | 4 | 4 | 4 | 4 | 4 | 4        |
| DAY ON TEST                               | 4 | 7 | 7 | 7 | 6 | 5 | 7 | 7 | 7 | 7 | 6 | 7 | 5 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 5        |
| FISCHER 344 RATS FEMALE                   | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0        |
| ANIMAL ID                                 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0        |
| 0 MG/L                                    | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2        |
|   | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 5        |
|   | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9        |
|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | * TOTALS |
| Skin                                      | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50       |
| Subcutaneous Tissue, Fibrosarcoma         |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   | 1        |
| Subcutaneous Tissue, Leukemia Mononuclear | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   | 2        |

## MUSCULOSKELETAL SYSTEM

|                          |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
|--------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Bone                     | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Vertebra, Chondrosarcoma |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |
| Skeletal Muscle          | + |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 3  |
| Leukemia Mononuclear     | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |

## NERVOUS SYSTEM

|                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
|----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Brain                | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Leukemia Mononuclear | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   | 3  |
| Peripheral Nerve     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 4  |
| Spinal Cord          |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 5  |

## RESPIRATORY SYSTEM

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
+ .. Tissue examined microscopically  
x .. Lesion present  
| .. Insufficient tissue

M .. Missing tissue  
A .. Autolysis precludes evaluation  
BLANK .. Not examined microscopically

TDMS No. 96015 - 05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: RATS/F 344

## P04: NEOPLASMS BY INDIVIDUAL ANIMAL

WATER DISINFECTION BYPRODUCTS (DIBROMOACETONITRILE)

CAS Number: 3252-43-5

Pathologist: FARRELL, D. - HEATH, J. - JOKINEN, M.

Date Report Reqsted: 06/09/2006

Time Report Reqsted: 12:50:37

First Dose M/F: 09/05/01 / 09/05/01

Lab: SRI

| DAY ON TEST                    | 4               | 7 | 7 | 7 | 6 | 5 | 7 | 7 | 7 | 7 | 6 | 7 | 5 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 5  |   |
|--------------------------------|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|---|
|                                | 0               | 0 | 3 | 3 | 0 | 6 | 3 | 3 | 3 | 3 | 9 | 3 | 5 | 3 | 3 | 3 | 3 | 5 | 3 | 3 | 3 | 3 | 3 | 9  |   |
|                                | 0               | 2 | 5 | 5 | 8 | 3 | 6 | 6 | 6 | 6 | 4 | 0 | 4 | 4 | 4 | 4 | 4 | 6 | 4 | 4 | 4 | 4 | 4 | 4  |   |
| <b>FISCHER 344 RATS FEMALE</b> | 0               | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0  |   |
| ANIMAL ID                      | 0               | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0  |   |
| <b>0 MG/L</b>                  | 2               | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2  |   |
|                                | 2               | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5  |   |
|                                | 6               | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9  |   |
|                                | <b>* TOTALS</b> |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |   |
| Lung                           | +               | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |   |
| Alveolar/Bronchiolar Adenoma   |                 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 1 |
| Leukemia Mononuclear           | X               |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 9 |
| Nose                           | +               | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |   |
| Leukemia Mononuclear           | X               |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 1 |
| Trachea                        | +               | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |   |
| Leukemia Mononuclear           | X               |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 1 |

**SPECIAL SENSES SYSTEM**

|                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |   |
|----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|---|
| Eye                  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 |   |
| Leukemia Mononuclear | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 1 |
| Harderian Gland      | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |   |
| Leukemia Mononuclear | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 3 |

**URINARY SYSTEM**

|                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |   |
|----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|---|
| Kidney               | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |   |
| Leukemia Mononuclear | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 5 |
| Urinary Bladder      | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |   |

\* .. Total animals with tissue examined microscopically; Total animals with tumor

M .. Missing tissue

+ .. Tissue examined microscopically

A .. Autolysis precludes evaluation

x .. Lesion present

BLANK .. Not examined microscopically

| .. Insufficient tissue

TDMS No. 96015 - 05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: RATS/F 344

## P04: NEOPLASMS BY INDIVIDUAL ANIMAL

WATER DISINFECTION BYPRODUCTS (DIBROMOACETONITRILE)

CAS Number: 3252-43-5

Pathologist: FARRELL, D. - HEATH, J. - JOKINEN, M.

Date Report Reqsted: 06/09/2006

Time Report Reqsted: 12:50:37

First Dose M/F: 09/05/01 / 09/05/01

Lab: SRI

|                                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                 |
|--------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------------|
|                                | 4 | 7 | 7 | 7 | 6 | 5 | 7 | 7 | 7 | 7 | 6 | 7 | 5 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 5               |
| DAY ON TEST                    | 0 | 0 | 3 | 3 | 0 | 6 | 3 | 3 | 3 | 3 | 9 | 3 | 5 | 3 | 3 | 3 | 3 | 5 | 3 | 3 | 3 | 3 | 3 | 9               |
|                                | 0 | 2 | 5 | 5 | 8 | 3 | 6 | 6 | 6 | 6 | 4 | 0 | 4 | 4 | 4 | 4 | 4 | 6 | 4 | 4 | 4 | 4 | 4 | 4               |
| <b>FISCHER 344 RATS FEMALE</b> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0               |
| <b>ANIMAL ID</b>               | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0               |
| <b>0 MG/L</b>                  | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2               |
|                                | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5               |
|                                | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9               |
|                                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>* TOTALS</b> |

Leukemia Mononuclear

X

1

## SYSTEMIC LESIONS

|                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
|----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Multiple Organ       | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Leukemia Mononuclear | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 14 |
| Lymphoma Malignant   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |

\* .. Total animals with tissue examined microscopically; Total animals with tumor

M .. Missing tissue

+ .. Tissue examined microscopically

A .. Autolysis precludes evaluation

x .. Lesion present

BLANK .. Not examined microscopically

| .. Insufficient tissue

TDMS No. 96015 - 05

**Test Type: CHRONIC**

**Route:** DOSED WATER

**Species/Strain:** RATS/F 344

**P04: NEOPLASMS BY INDIVIDUAL ANIMAL**  
**WATER DISINFECTION BYPRODUCTS (DIBROMOACETONITRILE)**  
**CAS Number: 3252-43-5**  
**Pathologist: FARNELL, D. - HEATH, J. - JOKINEN, M.**

Date Report Registered: 06/09/2006

Time Report Requested: 12:50:37

**First Dose M/F:** 09/05/01 / 09/05/01

Lab: SRI

## **ALIMENTARY SYSTEM**

\* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x .. Lesion present

| .. Insufficient tissue

M .. Missing tissue  
A .. Autolysis precludes evaluation  
BLANK .. Not examined microscopically

TDMS No. 96015 - 05

**Test Type: CHRONIC**

**Route:** DOSED WATER

**Species/Strain:** RATS/F 344

## P04: NEOPLASMS BY INDIVIDUAL ANIMAL

## WATER DISINFECTION BYPRODUCTS (DIBROMOACETONITRILE)

CAS Number: 3252-43-5

**Pathologist:** FARNELL, D. - HEATH, J. - JOKINEN, M.

Date Report Registered: 06/09/2006

Time Report Requested: 12:50:37

**First Dose M/F:** 09/05/01 / 09/05/01

Lab: SRI

## females (cont...)

## CARDIOVASCULAR SYSTEM

## **ENDOCRINE SYSTEM**

\* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x .. Lesion present

| .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically



TDMS No. 96015 - 05

**Test Type:** CHRONIC

**Route:** DOSED WATER

**Species/Strain:** RATS/F 344

#### P04: NEOPLASMS BY INDIVIDUAL ANIMAL

## WATER DISINFECTION BYPRODUCTS (DIBROMOACETONITRILE)

**CAS Number:** 3252-43-5

**Pathologist:** FARRELL, D. - HEATH, J. - JOKINEN, M

Date Report Requested: 06/09/2006

Time Report Requested: 12:50:37

**First Dose M/F:** 09/05/01 / 09/05/01

Lab: SRI

## females (cont...)

## **HEMATOPOIETIC SYSTEM**

\* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x Lesion present

| Insufficient tissue

M .. Missing tissue  
A .. Autolysis precludes evaluation  
BLANK .. Not examined microscopically

TDMS No. 96015 - 05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: RATS/F 344

## P04: NEOPLASMS BY INDIVIDUAL ANIMAL

WATER DISINFECTION BYPRODUCTS (DIBROMOACETONITRILE)

CAS Number: 3252-43-5

Pathologist: FARRELL, D. - HEATH, J. - JOKINEN, M.

Date Report Reqsted: 06/09/2006

Time Report Reqsted: 12:50:37

First Dose M/F: 09/05/01 / 09/05/01

Lab: SRI

|   |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| FISCHER 344 RATS FEMALE<br>ANIMAL ID<br>50 MG/L | DAY ON TEST | 6 | 7 | 7 | 5 | 7 | 6 | 5 | 6 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
|   |             | 7 | 3 | 3 | 6 | 3 | 0 | 7 | 7 | 3 | 3 | 3 | 9 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
|   |             | 2 | 5 | 5 | 1 | 5 | 0 | 6 | 9 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 4 | 4 | 4 | 4 | 4 | 4 |   |

females  
(cont...)

Lymph Node, Mandibular

M M M M M M M M M M M M + M M M M M M M M M M M M M +

Lymph Node, Mesenteric

+ +

Leukemia Mononuclear

X

X

X

Lymphoma Malignant

Spleen

+ +

Leukemia Mononuclear

X

X

X

Thymus

+ +

Leukemia Mononuclear

X

X

Lymphoma Malignant

## INTEGUMENTARY SYSTEM

Mammary Gland

+ +

Carcinoma

X

X

X

Fibroadenoma

X

X

X

Fibroadenoma, Multiple

X

X

X

Skin

+ +

## MUSCULOSKELETAL SYSTEM

\* .. Total animals with tissue examined microscopically; Total animals with tumor

M .. Missing tissue

+ .. Tissue examined microscopically

A .. Autolysis precludes evaluation

x .. Lesion present

BLANK .. Not examined microscopically

| .. Insufficient tissue

TDMS No. 96015 - 05

**Test Type: CHRONIC**

**Route:** DOSED WATER

**Species/Strain:** RATS/F 344

## P04: NEOPLASMS BY INDIVIDUAL ANIMAL

## WATER DISINFECTION BYPRODUCTS (DIBROMOACETONITRILE)

CAS Number: 3252-43-5

**Pathologist:** FARNELL, D. - HEATH, J. - JOKINEN, M.

**Date Report Requested:** 06/09/2006

Time Report Requested: 12:50:37

**First Dose M/F:** 09/05/01 / 09/05/01

Lab: SRI

## **NERVOUS SYSTEM**

## Glioma Malignant

Peripheral Nerve +

Spinal Cord +

## **RESPIRATORY SYSTEM**

## Leukemia Mononuclear

## Mediastinum, Leukemia Mononuclear

## SPECIAL SENSES SYSTEM

\* .. Total animals with tissue examined microscopically; Total animals with tumor

M .. Missing tissue

+ .. Tissue examined microscopically

A.. Autolysis precludes evaluation

Lesion present

**BLANK** Not examined microscopically

.. Lesion present  
 Insufficient tissue

TDMS No. 96015 - 05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: RATS/F 344

## P04: NEOPLASMS BY INDIVIDUAL ANIMAL

WATER DISINFECTION BYPRODUCTS (DIBROMOACETONITRILE)

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Time Report Reqsted: 12:50:37

First Dose M/F: 09/05/01 / 09/05/01

Lab: SRI

| DAY ON TEST | 6 | 7 | 7 | 5 | 7 | 6 | 5 | 6 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|             | 7 | 3 | 3 | 6 | 3 | 0 | 7 | 7 | 3 | 3 | 3 | 3 | 9 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
|             | 2 | 5 | 5 | 1 | 5 | 0 | 6 | 9 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 4 | 4 | 4 | 4 | 4 | 4 |   |

  

|                                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|--------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| <b>FISCHER 344 RATS FEMALE</b> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ANIMAL ID                      | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 50 MG/L                        | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
|                                | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
|                                | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 |   |   |   |   |

females  
(cont...)

  

|                 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Eye             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

**URINARY SYSTEM**

|                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
|----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Kidney               | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |  |
| Leukemia Mononuclear | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
| Lymphoma Malignant   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |

  

|                 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Urinary Bladder | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

**SYSTEMIC LESIONS**

|                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
|----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Multiple Organ       | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |  |
| Histiocytic Sarcoma  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
| Leukemia Mononuclear | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
| Lymphoma Malignant   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |

\* .. Total animals with tissue examined microscopically; Total animals with tumor

M .. Missing tissue

+ .. Tissue examined microscopically

A .. Autolysis precludes evaluation

x .. Lesion present

BLANK .. Not examined microscopically

| .. Insufficient tissue

TDMS No. 96015 - 05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: RATS/F 344

## P04: NEOPLASMS BY INDIVIDUAL ANIMAL

WATER DISINFECTION BYPRODUCTS (DIBROMOACETONITRILE)

CAS Number: 3252-43-5

Pathologist: FARRELL, D. - HEATH, J. - JOKINEN, M.

Date Report Reqsted: 06/09/2006

Time Report Reqsted: 12:50:37

First Dose M/F: 09/05/01 / 09/05/01

Lab: SRI

|                                |                 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|--------------------------------|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|                                | 7               | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 |
|                                | 1               | 3 | 3 | 3 | 3 | 3 | 1 | 3 | 3 | 3 | 1 | 6 | 3 | 3 | 3 | 3 | 6 | 8 | 0 | 2 | 3 | 3 | 3 | 3 |
|                                | 4               | 6 | 6 | 6 | 6 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 6 | 6 | 9 | 8 | 3 | 5 | 5 | 5 | 5 | 5 | 5 |
| <hr/>                          |                 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| <b>FISCHER 344 RATS FEMALE</b> | 0               | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ANIMAL ID                      | 0               | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <b>50 MG/L</b>                 | 2               | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
|                                | 7               | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 0 |
|                                | 6               | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|                                | <b>* TOTALS</b> |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

## ALIMENTARY SYSTEM

|                           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |   |
|---------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|---|
| Esophagus                 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |   |
| <hr/>                     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |   |
| Intestine Large, Cecum    | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |   |
| <hr/>                     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |   |
| Intestine Large, Colon    | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |   |
| <hr/>                     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |   |
| Intestine Large, Rectum   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |   |
| Adenoma                   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 1 |
| <hr/>                     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |   |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |   |
| <hr/>                     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |   |
| Intestine Small, Ileum    | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | 48 |   |
| <hr/>                     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |   |
| Intestine Small, Jejunum  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | 48 |   |
| <hr/>                     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |   |
| Liver                     | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |   |
| Histiocytic Sarcoma       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |    | 1 |
| <hr/>                     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |   |
| Leukemia Mononuclear      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |    | 9 |
| <hr/>                     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |   |
| Lymphoma Malignant        |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |    | 1 |
| <hr/>                     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |   |
| Mesentery                 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 11 |   |
| Leukemia Mononuclear      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 1 |
| <hr/>                     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |   |
| Lymphoma Malignant        |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |    | 1 |

\* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x .. Lesion present

| .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 96015 - 05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: RATS/F 344

## P04: NEOPLASMS BY INDIVIDUAL ANIMAL

WATER DISINFECTION BYPRODUCTS (DIBROMOACETONITRILE)

CAS Number: 3252-43-5

Pathologist: FARRELL, D. - HEATH, J. - JOKINEN, M.

Date Report Reqsted: 06/09/2006

Time Report Reqsted: 12:50:37

First Dose M/F: 09/05/01 / 09/05/01

Lab: SRI

|                                |                 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|--------------------------------|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|                                | 7               | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 |   |
|                                | 1               | 3 | 3 | 3 | 3 | 3 | 1 | 3 | 3 | 3 | 1 | 6 | 3 | 3 | 3 | 3 | 6 | 8 | 0 | 2 | 3 | 3 | 3 | 3 |
|                                | 4               | 6 | 6 | 6 | 6 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 6 | 6 | 9 | 8 | 3 | 5 | 5 | 5 | 5 | 5 |   |
| <hr/>                          |                 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| <b>FISCHER 344 RATS FEMALE</b> | 0               | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ANIMAL ID                      | 0               | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <b>50 MG/L</b>                 | 2               | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
|                                | 7               | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 0 |
|                                | 6               | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|                                | <b>* TOTALS</b> |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

|                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
|----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Pancreas             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Leukemia Mononuclear |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |
| <hr/>                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
| Salivary Glands      | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| <hr/>                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
| Stomach, Forestomach | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| <hr/>                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
| Stomach, Glandular   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| <hr/>                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
| Tongue               |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | + |   |   |   |   |   | 1  |

**CARDIOVASCULAR SYSTEM**

|                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
|----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Heart                | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Leukemia Mononuclear |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |
| <hr/>                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |

**ENDOCRINE SYSTEM**

|                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
|----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Adrenal Cortex       | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Leukemia Mononuclear |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 4  |
| <hr/>                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
| Adrenal Medulla      | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Leukemia Mononuclear |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 3  |
| Lymphoma Malignant   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   | 1  |

\* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x .. Lesion present

| .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 96015 - 05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: RATS/F 344

## P04: NEOPLASMS BY INDIVIDUAL ANIMAL

WATER DISINFECTION BYPRODUCTS (DIBROMOACETONITRILE)

CAS Number: 3252-43-5

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Date Report Reqsted: 06/09/2006

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First Dose M/F: 09/05/01 / 09/05/01

Lab: SRI

|                                |                 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|--------------------------------|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|                                | 7               | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 |
| 1                              | 3               | 3 | 3 | 3 | 3 | 3 | 1 | 3 | 3 | 3 | 1 | 6 | 3 | 3 | 3 | 3 | 6 | 8 | 0 | 2 | 3 | 3 | 3 | 3 |
| 4                              | 6               | 6 | 6 | 6 | 6 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 6 | 6 | 9 | 8 | 3 | 5 | 5 | 5 | 5 | 5 |
| <b>FISCHER 344 RATS FEMALE</b> |                 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|                                | 0               | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|                                | 0               | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|                                | 2               | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
|                                | 7               | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 0 |
|                                | 6               | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|                                | <b>* TOTALS</b> |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

|                         |   |   |
|-------------------------|---|---|
| Pheochromocytoma Benign | X | 2 |
|-------------------------|---|---|

|                        |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |
|------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|----|
| Islets, Pancreatic     | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |    |
| Adenoma                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |    |
| <hr/>                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |
| Parathyroid Gland      | + | + | + | + | + | M | + | M | M | + | + | + | M | + | + | + | + | + | + | + | + | + | M | +  | 42 |
| Pituitary Gland        | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | +  | 48 |
| Leukemia Mononuclear   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 1  |
| Pars Distalis, Adenoma | X | X | X | X | X |   |   |   |   | X | X | X | X | X | X | X | X | X | X | X | X | X | X | 31 |    |
| <hr/>                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |
| Thyroid Gland          | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |    |
| C-cell, Adenoma        |   |   |   |   |   |   |   |   |   | X | X |   |   |   |   |   |   |   |   | X |   |   | X | 6  |    |
| C-cell, Carcinoma      |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |    |

**GENERAL BODY SYSTEM**

NONE

**GENITAL SYSTEM**

|                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
|--------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Clitoral Gland     | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Adenoma            |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |
| Carcinoma          |   |   |   |   |   | X |   |   | X | X |   |   |   |   |   |   |   |   |   |   |   |   | X | 5  |
| Bilateral, Adenoma |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |

\* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x .. Lesion present

| .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 96015 - 05

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CAS Number: 3252-43-5

Pathologist: FARRELL, D. - HEATH, J. - JOKINEN, M.

Date Report Reqsted: 06/09/2006

Time Report Reqsted: 12:50:37

First Dose M/F: 09/05/01 / 09/05/01

Lab: SRI

| DAY ON TEST                    | 7               | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 |
|--------------------------------|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|                                | 1               | 3 | 3 | 3 | 3 | 3 | 1 | 3 | 3 | 3 | 1 | 6 | 3 | 3 | 3 | 3 | 6 | 8 | 0 | 2 | 3 | 3 | 3 | 3 |
|                                | 4               | 6 | 6 | 6 | 6 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 6 | 6 | 9 | 8 | 3 | 5 | 5 | 5 | 5 | 5 |
| <b>FISCHER 344 RATS FEMALE</b> | 0               | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ANIMAL ID                      | 0               | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <b>50 MG/L</b>                 | 2               | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 |
|                                | 7               | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 0 |
|                                | 6               | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|                                | <b>* TOTALS</b> |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

|                            |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
|----------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Ovary                      | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Leukemia Mononuclear       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2  |
| Uterus                     | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Endometrium, Adenoma       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |
| Endometrium, Polyp Stromal |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   | 10 |
| Vagina                     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2  |
| Polyp                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |

**HEMATOPOIETIC SYSTEM**

|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Bone Marrow  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Histiocytic Sarcoma                                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |
| Leukemia Mononuclear                                   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 3  |
| Lymph Node   | + | + |   | + | + |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 15 |
| Deep Cervical, Carcinoma, Metastatic,<br>Thyroid Gland |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   | 1  |
| Mediastinal, Leukemia Mononuclear                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2  |
| Mediastinal, Lymphoma Malignant                        |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   | 1  |
| Pancreatic, Leukemia Mononuclear                       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2  |
| Pancreatic, Lymphoma Malignant                         |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   | 1  |

\* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x .. Lesion present

| .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically





TDMS No. 96015 - 05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: RATS/F 344

## P04: NEOPLASMS BY INDIVIDUAL ANIMAL

WATER DISINFECTION BYPRODUCTS (DIBROMOACETONITRILE)

CAS Number: 3252-43-5

Pathologist: FARRELL, D. - HEATH, J. - JOKINEN, M.

Date Report Reqsted: 06/09/2006

Time Report Reqsted: 12:50:37

First Dose M/F: 09/05/01 / 09/05/01

Lab: SRI

| DAY ON TEST                    | 7               | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7  |
|--------------------------------|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
|                                | 1               | 3 | 3 | 3 | 3 | 3 | 1 | 3 | 3 | 3 | 1 | 6 | 3 | 3 | 3 | 3 | 6 | 8 | 0 | 2 | 3 | 3 | 3 | 3  |
|                                | 4               | 6 | 6 | 6 | 6 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 6 | 6 | 9 | 8 | 3 | 5 | 5 | 5 | 5 | 5  |
| <b>FISCHER 344 RATS FEMALE</b> | 0               | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0  |
| ANIMAL ID                      | 0               | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0  |
| <b>50 MG/L</b>                 | 2               | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3  |
|                                | 7               | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 0  |
|                                | 6               | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9  |
|                                | <b>* TOTALS</b> |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
| Eye                            | +               | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Harderian Gland                | +               | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |

**URINARY SYSTEM**

|                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |   |
|----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|---|
| Kidney               | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |   |
| Leukemia Mononuclear |   |   |   |   |   |   |   |   |   |   |   |   |   | X | X |   |   |   |   |   |   |   |   |    | 3 |
| Lymphoma Malignant   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |    | 1 |
| Urinary Bladder      | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |   |

**SYSTEMIC LESIONS**

|                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |   |
|----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|---|
| Multiple Organ       | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |   |
| Histiocytic Sarcoma  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |    | 2 |
| Leukemia Mononuclear |   |   |   |   |   |   |   |   |   |   |   |   |   | X | X | X |   |   |   |   |   |   |   |    | 9 |
| Lymphoma Malignant   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |    | 1 |

\* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x .. Lesion present

| .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 96015 - 05

**Test Type: CHRONIC**

**Route:** DOSED WATER

**Species/Strain:** RATS/F 344

**P04: NEOPLASMS BY INDIVIDUAL ANIMAL**  
**WATER DISINFECTION BYPRODUCTS (DIBROMOACETONITRILE)**  
**CAS Number: 3252-43-5**  
**Pathologist: FARNELL, D. - HEATH, J. - JOKINEN, M.**

Date Report Registered: 06/09/2006

Time Report Requested: 12:50:37

**First Dose M/F:** 09/05/01 / 09/05/01

Lab: SRI

| DAY ON TEST                    | 7 | 5 | 5 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 5 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 |   |
|--------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|                                | 3 | 6 | 9 | 3 | 3 | 6 | 3 | 3 | 3 | 3 | 2 | 9 | 4 | 7 | 0 | 3 | 3 | 3 | 3 | 3 | 3 | 7 | 3 | 1 | 3 | 3 |
|                                | 4 | 6 | 6 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 0 | 9 | 9 | 2 | 3 | 5 | 5 | 5 | 5 | 5 | 5 | 2 | 5 | 4 | 5 | 5 |
| <b>FISCHER 344 RATS FEMALE</b> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |   |
| ANIMAL ID                      | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |   |
| <b>100 MG/L</b>                | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |   |
|                                | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 |   |
|                                | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 |   |

## **ALIMENTARY SYSTEM**

\* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

.. Lesion present

| Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically



TDMS No. 96015 - 05

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Species/Strain: RATS/F 344

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WATER DISINFECTION BYPRODUCTS (DIBROMOACETONITRILE)

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Date Report Reqsted: 06/09/2006

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First Dose M/F: 09/05/01 / 09/05/01

Lab: SRI

| DAY ON TEST                    | 7 | 5 | 5 | 7 | 7 | 6 | 7 | 7 | 7 | 5 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 |  |
|--------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
|                                | 3 | 6 | 9 | 3 | 3 | 6 | 3 | 3 | 3 | 2 | 9 | 4 | 7 | 0 | 3 | 3 | 3 | 3 | 3 | 7 | 3 | 1 | 3 | 3 |  |
|                                | 4 | 6 | 6 | 4 | 4 | 4 | 4 | 4 | 4 | 0 | 9 | 9 | 2 | 3 | 5 | 5 | 5 | 5 | 5 | 2 | 5 | 4 | 5 | 5 |  |
| <b>FISCHER 344 RATS FEMALE</b> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| ANIMAL ID                      | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| <b>100 MG/L</b>                | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |  |
|                                | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 |  |
|                                | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 |  |
|                                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
| Adrenal Cortex                 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |  |
| Leukemia Mononuclear           |   | X |   |   | X |   |   |   | X |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |  |
| Adrenal Medulla                | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |  |
| Ganglioneuroma                 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
| Leukemia Mononuclear           |   | X |   |   |   | X |   |   |   | X |   |   |   | X |   |   |   |   |   |   |   |   |   |   |  |
| Pheochromocytoma Benign        |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
| Islets, Pancreatic             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |  |
| Parathyroid Gland              | + | + | + | + | + | + | M | + | + | + | + | + | + | M | + | + | + | + | M | M | + | + | + | + |  |
| Pituitary Gland                | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |  |
| Leukemia Mononuclear           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |  |
| Pars Distalis, Adenoma         | X |   | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |  |
| Pars Distalis, Carcinoma       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
| Thyroid Gland                  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |  |
| Leukemia Mononuclear           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |  |
| C-cell, Adenoma                |   |   | X | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |  |
| Follicular Cell, Adenoma       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |  |

**GENERAL BODY SYSTEM**

NONE

\* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x .. Lesion present

| .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 96015 - 05

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Lab: SRI

|                                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|--------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|                                | 7 | 5 | 5 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 5 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 |   |
|                                | 3 | 6 | 9 | 3 | 3 | 6 | 3 | 3 | 3 | 3 | 2 | 9 | 4 | 7 | 0 | 3 | 3 | 3 | 3 | 3 | 3 | 7 | 3 | 1 | 3 |
|                                | 4 | 6 | 6 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 0 | 9 | 9 | 2 | 3 | 5 | 5 | 5 | 5 | 5 | 5 | 2 | 5 | 4 | 5 |
| .....                          |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| <b>FISCHER 344 RATS FEMALE</b> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|                                | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|                                | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
|                                | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 |
|                                | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 |

females  
(cont...)

**GENITAL SYSTEM**

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Clitoral Gland                              | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Adenoma                                     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Carcinoma                                   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Leukemia Mononuclear                        |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Ovary                                       | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear                        |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Oviduct                                     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Uterus                                      | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear                        |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Schwannoma Malignant                        | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Endometrium, Polyp Stromal                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Vagina                                      | + |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Schwannoma Malignant, Metastatic,<br>Uterus |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

**HEMATOPOIETIC SYSTEM**

|             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

\* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x .. Lesion present

| .. Insufficient tissue

M .. Missing tissue

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Lab: SRI

| DAY ON TEST             | 7 | 5 | 5 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 5 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 |   |
|-------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| FISCHER 344 RATS FEMALE | 3 | 6 | 9 | 3 | 3 | 6 | 3 | 3 | 3 | 3 | 2 | 9 | 4 | 7 | 0 | 3 | 3 | 3 | 3 | 3 | 3 | 7 | 3 | 1 | 3 | 3 |
| ANIMAL ID               | 4 | 6 | 6 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 0 | 9 | 9 | 2 | 3 | 5 | 5 | 5 | 5 | 5 | 5 | 2 | 5 | 4 | 5 | 5 |
| 100 MG/L                | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|                         | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|                         | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
|                         | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 |
|                         | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 |   |

females  
(cont...)

|                                     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |     |
|-------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----|
| Leukemia Mononuclear                | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |     |
| Lymph Node                          | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |     |
| Leukemia Mononuclear                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X   |
| Deep Cervical, Leukemia Mononuclear |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X   |
| Mediastinal, Leukemia Mononuclear   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X X |
| Pancreatic, Leukemia Mononuclear    | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X   |
| Popliteal, Leukemia Mononuclear     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |     |
| Lymph Node, Mandibular              | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M |     |
| Lymph Node, Mesenteric              | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |     |
| Leukemia Mononuclear                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X X |
| Spleen                              | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |     |
| Leukemia Mononuclear                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X X |
| Thymus                              | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M |     |
| Leukemia Mononuclear                | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X X |

## INTEGUMENTARY SYSTEM

|               |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
|---------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Mammary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |  |
| Adenoma       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |

\* .. Total animals with tissue examined microscopically; Total animals with tumor

M .. Missing tissue

+ .. Tissue examined microscopically

A .. Autolysis precludes evaluation

x .. Lesion present

BLANK .. Not examined microscopically

| .. Insufficient tissue

TDMS No. 96015 - 05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: RATS/F 344

## P04: NEOPLASMS BY INDIVIDUAL ANIMAL

WATER DISINFECTION BYPRODUCTS (DIBROMOACETONITRILE)

CAS Number: 3252-43-5

Pathologist: FARRELL, D. - HEATH, J. - JOKINEN, M.

Date Report Reqsted: 06/09/2006

Time Report Reqsted: 12:50:37

First Dose M/F: 09/05/01 / 09/05/01

Lab: SRI

|             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY ON TEST | 7 | 5 | 5 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 5 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 |
|             | 3 | 6 | 9 | 3 | 3 | 6 | 3 | 3 | 3 | 3 | 2 | 9 | 4 | 7 | 0 | 3 | 3 | 3 | 3 | 3 | 3 | 7 | 3 | 1 | 3 |
|             | 4 | 6 | 6 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 0 | 9 | 9 | 2 | 3 | 5 | 5 | 5 | 5 | 5 | 2 | 5 | 4 | 5 | 5 |

**FISCHER 344 RATS FEMALE**

ANIMAL ID

**100 MG/L****females  
(cont...)**

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Carcinoma                                 | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |  |
| Carcinoma, Multiple                       |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |  |
| Fibroadenoma                              |   |   | X |   |   | X |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |  |
| Fibroadenoma, Multiple                    |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |  |
| Skin                                      | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |  |
| Basal Cell Adenoma                        |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |  |
| Basal Cell Carcinoma                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |  |
| Squamous Cell Papilloma                   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
| Subcutaneous Tissue, Fibroma              |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
| Subcutaneous Tissue, Fibroma, Multiple    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |  |
| Subcutaneous Tissue, Leukemia Mononuclear |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   | X |   |   |   |   |   |  |
| Subcutaneous Tissue, Lipoma               |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |  |

**MUSCULOSKELETAL SYSTEM**

|      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
|------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

**NERVOUS SYSTEM**

|       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|-------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Brain | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
|-------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

Carcinoma, Metastatic, Pituitary Gland

Leukemia Mononuclear

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

\* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x .. Lesion present

| .. Insufficient tissue

TDMS No. 96015 - 05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: RATS/F 344

## P04: NEOPLASMS BY INDIVIDUAL ANIMAL

WATER DISINFECTION BYPRODUCTS (DIBROMOACETONITRILE)

CAS Number: 3252-43-5

Pathologist: FARRELL, D. - HEATH, J. - JOKINEN, M.

Date Report Reqsted: 06/09/2006

Time Report Reqsted: 12:50:37

First Dose M/F: 09/05/01 / 09/05/01

Lab: SRI

|                         |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|-------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|                         | 7 | 5 | 5 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 5 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 |   |
|                         | 3 | 6 | 9 | 3 | 3 | 6 | 3 | 3 | 3 | 3 | 2 | 9 | 4 | 7 | 0 | 3 | 3 | 3 | 3 | 3 | 7 | 3 | 1 | 3 | 3 |
|                         | 4 | 6 | 6 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 0 | 9 | 9 | 2 | 3 | 5 | 5 | 5 | 5 | 5 | 2 | 5 | 4 | 5 | 5 |
| DAY ON TEST             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| FISCHER 344 RATS FEMALE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ANIMAL ID               | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 100 MG/L                | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
|                         | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 |
|                         | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 |

females  
(cont...)

Peripheral Nerve

+

Spinal Cord

+

## RESPIRATORY SYSTEM

|                              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lung                         | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Alveolar/Bronchiolar Adenoma |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Leukemia Mononuclear         |   |   |   |   |   |   | X |   |   | X |   | X |   | X |   |   |   |   |   |   |   |   |   |   |   |
| Nose                         | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Trachea                      | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

## SPECIAL SENSES SYSTEM

|                 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Eye             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Zymbal's Gland  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Carcinoma       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

\* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x .. Lesion present

| .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 96015 - 05

**Test Type: CHRONIC**

**Route:** DOSED WATER

**Species/Strain:** RATS/F 344

**P04: NEOPLASMS BY INDIVIDUAL ANIMAL**  
**WATER DISINFECTION BYPRODUCTS (DIBROMOACETONITRILE)**  
**CAS Number: 3252-43-5**  
**Pathologist: FARRELL, D. - HEATH, J. - JOKINEN, M.**

**Date Report Registered:** 06/09/2006

Time Report Requested: 12:50:37

**First Dose M/F:** 09/05/01 / 09/05/01

Lab: SRI

| DAY ON TEST                    | 7 | 5 | 5 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 5 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 |   |
|--------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|                                | 3 | 6 | 9 | 3 | 3 | 6 | 3 | 3 | 3 | 3 | 2 | 9 | 4 | 7 | 0 | 3 | 3 | 3 | 3 | 3 | 3 | 7 | 3 | 1 | 3 | 3 |
|                                | 4 | 6 | 6 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 0 | 9 | 9 | 2 | 3 | 5 | 5 | 5 | 5 | 5 | 5 | 2 | 5 | 4 | 5 | 5 |
| <b>FISCHER 344 RATS FEMALE</b> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |   |
| <b>ANIMAL ID</b>               | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |   |
| <b>100 MG/L</b>                | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |   |
|                                | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 |   |
|                                | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 |   |

## **URINARY SYSTEM**

## **SYSTEMIC LESIONS**

\* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x .. Lesion present

| Insufficient tissue

M .. Missing tissue  
A .. Autolysis precludes evaluation  
BLANK .. Not examined microscopically

TDMS No. 96015 - 05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: RATS/F 344

## P04: NEOPLASMS BY INDIVIDUAL ANIMAL

WATER DISINFECTION BYPRODUCTS (DIBROMOACETONITRILE)

CAS Number: 3252-43-5

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Date Report Reqsted: 06/09/2006

Time Report Reqsted: 12:50:37

First Dose M/F: 09/05/01 / 09/05/01

Lab: SRI

| DAY ON TEST                    | 6               | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 6 | 7 | 5 |   |
|--------------------------------|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|                                | 6               | 1 | 0 | 3 | 3 | 3 | 3 | 3 | 2 | 0 | 7 | 3 | 3 | 3 | 3 | 3 | 9 | 1 | 3 | 3 | 3 | 5 | 0 | 9 |
|                                | 4               | 2 | 7 | 5 | 5 | 4 | 4 | 4 | 5 | 1 | 2 | 5 | 5 | 5 | 5 | 4 | 4 | 6 | 4 | 6 | 6 | 2 | 6 | 4 |
| <b>FISCHER 344 RATS FEMALE</b> | 0               | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <b>ANIMAL ID</b>               | 0               | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <b>100 MG/L</b>                | 3               | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
|                                | 2               | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 |
|                                | 6               | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|                                | <b>* TOTALS</b> |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

**ALIMENTARY SYSTEM**

|                           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |
|---------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|----|
| Esophagus                 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |    |
| Intestine Large, Cecum    | + | M | + | + | + | + | + | + | A | A | + | + | + | + | + | + | + | + | + | + | + | + | 47 |    |
| Intestine Large, Colon    | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |    |
| Intestine Large, Rectum   | + | + | + | + | + | + | + | + | A | A | + | + | + | + | + | + | + | + | + | + | + | + | 48 |    |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |    |
| Intestine Small, Ileum    | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |    |
| Leukemia Mononuclear      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |    |
| Intestine Small, Jejunum  | + | + | + | + | + | + | + | + | A | A | + | + | + | + | + | + | + | + | + | + | + | + | 48 |    |
| Liver                     | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |    |
| Hepatocellular Adenoma    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |    |
| Leukemia Mononuclear      | X | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   | 10 |    |
| Mesentery                 | + |   |   |   |   |   |   |   | + |   |   |   |   |   |   | + |   |   |   |   | + |   |    | 17 |
| Leukemia Mononuclear      | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 6  |
| Oral Mucosa               |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 1  |

\* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x .. Lesion present

| .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 96015 - 05

Test Type: CHRONIC

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Species/Strain: RATS/F 344

## P04: NEOPLASMS BY INDIVIDUAL ANIMAL

WATER DISINFECTION BYPRODUCTS (DIBROMOACETONITRILE)

CAS Number: 3252-43-5

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First Dose M/F: 09/05/01 / 09/05/01

Lab: SRI

|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |          |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------|
| DAY ON TEST                                      | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 6 | 7 | 5        |
|  | 6 | 1 | 0 | 3 | 3 | 3 | 3 | 3 | 2 | 0 | 7 | 3 | 3 | 3 | 3 | 3 | 9 | 1 | 3 | 3 | 3 | 5 | 0        |
|  | 4 | 2 | 7 | 5 | 5 | 4 | 4 | 5 | 1 | 2 | 5 | 5 | 5 | 5 | 4 | 4 | 6 | 4 | 6 | 6 | 2 | 6 | 4        |
| FISCHER 344 RATS FEMALE<br>ANIMAL ID<br>100 MG/L | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0        |
|  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0        |
|  | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3        |
|  | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5        |
|  | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8        |
|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | * TOTALS |

|                         |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |   |
|-------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|---|
| Squamous Cell Papilloma |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 1 |
| Pancreas                | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |   |
| Leukemia Mononuclear    | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 6 |
| Salivary Glands         | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |   |
| Leukemia Mononuclear    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 1 |
| Stomach, Forestomach    | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |   |
| Leukemia Mononuclear    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 3 |
| Stomach, Glandular      | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |   |
| Leukemia Mononuclear    | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 4 |
| Tongue                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 5 |
| Squamous Cell Papilloma |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 3 |

## CARDIOVASCULAR SYSTEM

|                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |   |
|----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|---|
| Heart                | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |   |
| Leukemia Mononuclear | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 5 |

## ENDOCRINE SYSTEM

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
+ .. Tissue examined microscopically  
x .. Lesion present  
| .. Insufficient tissue

M .. Missing tissue  
A .. Autolysis precludes evaluation  
BLANK .. Not examined microscopically

TDMS No. 96015 - 05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: RATS/F 344

## P04: NEOPLASMS BY INDIVIDUAL ANIMAL

WATER DISINFECTION BYPRODUCTS (DIBROMOACETONITRILE)

CAS Number: 3252-43-5

Pathologist: FARRELL, D. - HEATH, J. - JOKINEN, M.

Date Report Reqsted: 06/09/2006

Time Report Reqsted: 12:50:37

First Dose M/F: 09/05/01 / 09/05/01

Lab: SRI

| DAY ON TEST                    | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 6 | 7 | 5 |                 |   |
|--------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------------|---|
|                                | 6 | 1 | 0 | 3 | 3 | 3 | 3 | 3 | 2 | 0 | 7 | 3 | 3 | 3 | 3 | 3 | 9 | 1 | 3 | 3 | 3 | 5 | 0 | 9               |   |
|                                | 4 | 2 | 7 | 5 | 5 | 4 | 4 | 4 | 5 | 1 | 2 | 5 | 5 | 5 | 5 | 4 | 4 | 6 | 4 | 6 | 6 | 2 | 6 | 4               |   |
| <b>FISCHER 344 RATS FEMALE</b> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0               |   |
| <b>ANIMAL ID</b>               | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0               |   |
| <b>100 MG/L</b>                | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3               |   |
|                                | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5               |   |
|                                | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9               |   |
|                                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>* TOTALS</b> |   |
| Adrenal Cortex                 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50              |   |
| Leukemia Mononuclear           | X | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 6               |   |
| Adrenal Medulla                | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50              |   |
| Ganglioneuroma                 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1               |   |
| Leukemia Mononuclear           | X | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X               | 7 |
| Pheochromocytoma Benign        |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                 | 1 |
| Islets, Pancreatic             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50              |   |
| Parathyroid Gland              | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | M | + | + | M | + | + | + | + | 43              |   |
| Pituitary Gland                | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50              |   |
| Leukemia Mononuclear           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1               |   |
| Pars Distalis, Adenoma         | X | X | X |   |   |   |   |   | X | X | X |   |   |   |   | X | X | X | X | X | X | X | X | 29              |   |
| Pars Distalis, Carcinoma       |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1               |   |
| Thyroid Gland                  | + | + | + | + | + | + | + | A | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48              |   |
| Leukemia Mononuclear           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1               |   |
| C-cell, Adenoma                |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 6               |   |
| Follicular Cell, Adenoma       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2               |   |

**GENERAL BODY SYSTEM**

NONE

\* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x .. Lesion present

| .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 96015 - 05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: RATS/F 344

## P04: NEOPLASMS BY INDIVIDUAL ANIMAL

WATER DISINFECTION BYPRODUCTS (DIBROMOACETONITRILE)

CAS Number: 3252-43-5

Pathologist: FARRELL, D. - HEATH, J. - JOKINEN, M.

Date Report Reqsted: 06/09/2006

Time Report Reqsted: 12:50:37

First Dose M/F: 09/05/01 / 09/05/01

Lab: SRI

|                         |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |
|-------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|
|                         | 6     | 7     | 7     | 7     | 7     | 7     | 7     | 7     | 7     | 6     | 7     | 7     | 7     | 7     | 7     | 7     | 5     | 7     | 7     | 7     | 7     | 6     | 7     | 5        |
|                         | 6     | 1     | 0     | 3     | 3     | 3     | 3     | 3     | 2     | 0     | 7     | 3     | 3     | 3     | 3     | 3     | 9     | 1     | 3     | 3     | 3     | 5     | 0     | 9        |
|                         | 4     | 2     | 7     | 5     | 5     | 4     | 4     | 4     | 5     | 1     | 2     | 5     | 5     | 5     | 5     | 4     | 4     | 6     | 4     | 6     | 6     | 2     | 6     | 4        |
| DAY ON TEST             | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | .....    |
| FISCHER 344 RATS FEMALE | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0        |
| ANIMAL ID               | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0        |
| 100 MG/L                | 3     | 3     | 3     | 3     | 3     | 3     | 3     | 3     | 3     | 3     | 3     | 3     | 3     | 3     | 3     | 3     | 3     | 3     | 3     | 3     | 3     | 3     | 3     | 3        |
|                         | 2     | 2     | 2     | 2     | 3     | 3     | 3     | 3     | 3     | 3     | 3     | 3     | 3     | 3     | 3     | 4     | 4     | 4     | 4     | 4     | 4     | 4     | 4     | 5        |
|                         | 6     | 7     | 8     | 9     | 0     | 1     | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 0     | 1     | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9        |
|                         |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | * TOTALS |

## GENITAL SYSTEM

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Clitoral Gland                              | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | 47 |
| Adenoma                                     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |
| Carcinoma                                   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 4  |
| Leukemia Mononuclear                        |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |
| Ovary                                       | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Leukemia Mononuclear                        |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X | 5  |
| Oviduct                                     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | + |   |   |   |   |   |   |   |   | 1  |
| Uterus                                      | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Leukemia Mononuclear                        |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 4  |
| Schwannoma Malignant                        |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X | 1  |
| Endometrium, Polyp Stromal                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   | 4  |
| Vagina                                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 7  |
| Schwannoma Malignant, Metastatic,<br>Uterus |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X | 1  |

## HEMATOPOIETIC SYSTEM

|             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|

\* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x .. Lesion present

| .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 96015 - 05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: RATS/F 344

## P04: NEOPLASMS BY INDIVIDUAL ANIMAL

WATER DISINFECTION BYPRODUCTS (DIBROMOACETONITRILE)

CAS Number: 3252-43-5

Pathologist: FARRELL, D. - HEATH, J. - JOKINEN, M.

Date Report Reqsted: 06/09/2006

Time Report Reqsted: 12:50:37

First Dose M/F: 09/05/01 / 09/05/01

Lab: SRI

|                                     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                 |   |    |
|-------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------------|---|----|
|                                     | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 6 | 7 | 5               |   |    |
|                                     | 6 | 1 | 0 | 3 | 3 | 3 | 3 | 3 | 2 | 0 | 7 | 3 | 3 | 3 | 3 | 3 | 9 | 1 | 3 | 3 | 3 | 5 | 0 | 9               |   |    |
|                                     | 4 | 2 | 7 | 5 | 5 | 4 | 4 | 4 | 5 | 1 | 2 | 5 | 5 | 5 | 5 | 4 | 4 | 6 | 4 | 6 | 6 | 2 | 6 | 4               |   |    |
|                                     | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0               |   |    |
|                                     | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0               |   |    |
| <b>FISCHER 344 RATS FEMALE</b>      | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3               |   |    |
| <b>ANIMAL ID</b>                    | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5               |   |    |
| <b>100 MG/L</b>                     | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9               |   |    |
|                                     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>* TOTALS</b> |   |    |
| Leukemia Mononuclear                | X | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X               | 8 |    |
| Lymph Node                          | + |   | + | + | + |   |   |   |   |   |   |   |   |   |   |   |   | + | + |   |   |   | + | 23              |   |    |
| Leukemia Mononuclear                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                 | 1 |    |
| Deep Cervical, Leukemia Mononuclear |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                 | 3 |    |
| Mediastinal, Leukemia Mononuclear   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                 | X | 6  |
| Pancreatic, Leukemia Mononuclear    | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                 |   | 7  |
| Popliteal, Leukemia Mononuclear     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                 |   | 1  |
| Lymph Node, Mandibular              | + | M | M | M | M | M | M | M | M | + | M | M | M | M | M | M | M | M | M | M | M | M | M | 2               |   |    |
| Lymph Node, Mesenteric              | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50              |   |    |
| Leukemia Mononuclear                | X | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                 | X | 9  |
| Spleen                              | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50              |   |    |
| Leukemia Mononuclear                | X | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                 | X | 10 |
| Thymus                              | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48              |   |    |
| Leukemia Mononuclear                | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                 |   | 7  |

**INTEGUMENTARY SYSTEM**

|               |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |   |
|---------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|---|
| Mammary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |   |
| Adenoma       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 1 |

\* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x .. Lesion present

| .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 96015 - 05

**Test Type:** CHRONIC

**Route:** DOSED WATER

**Species/Strain:** RATS/F 344

## P04: NEOPLASMS BY INDIVIDUAL ANIMAL

## WATER DISINFECTION BYPRODUCTS (DIBROMOACETONITRILE)

**CAS Number:** 3252-43-5

**Pathologist:** FARNELL, D. - HEATH, J. - JOKINEN, M.

Date Report Requested: 06/09/2006

Time Report Registered: 12:50:37

**First Dose M/F:** 09/05/01 / 09/05/01

Lab: SRI

## MUSCULOSKELETAL SYSTEM

## **NERVOUS SYSTEM**

\* .. Total animals with tissue examined microscopically; Total animals with tumor

M .. Missing tissue

† ... Tissue examined microscopically

A .. Autolysis precludes evaluation

Lesion present

**ANK** Not examined microscopically

.. Lesion present  
 Insufficient tissue

BEANK .. Not examined microscopically

TDMS No. 96015 - 05

Test Type: CHRONIC

Route: DOSED WATER

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Lab: SRI

|                         |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |          |
|-------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------|
|                         | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 6 | 7 | 5        |
|                         | 6 | 1 | 0 | 3 | 3 | 3 | 3 | 3 | 2 | 0 | 7 | 3 | 3 | 3 | 3 | 3 | 9 | 1 | 3 | 3 | 3 | 5 | 0 | 9        |
|                         | 4 | 2 | 7 | 5 | 5 | 4 | 4 | 4 | 5 | 1 | 2 | 5 | 5 | 5 | 5 | 4 | 4 | 6 | 4 | 6 | 6 | 2 | 6 | 4        |
| DAY ON TEST             | 6 | 1 | 0 | 3 | 3 | 3 | 3 | 3 | 2 | 0 | 7 | 3 | 3 | 3 | 3 | 3 | 9 | 1 | 3 | 3 | 3 | 5 | 0 | 9        |
| FISCHER 344 RATS FEMALE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0        |
| ANIMAL ID               | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0        |
| 100 MG/L                | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3        |
|                         | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5        |
|                         | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9        |
|                         |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | * TOTALS |

Peripheral Nerve

+ 2

Spinal Cord

+ 2

## RESPIRATORY SYSTEM

|                              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
|------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Lung                         | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Alveolar/Bronchiolar Adenoma |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |
| Leukemia Mononuclear         | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 6  |
| Nose                         | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Trachea                      | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |

## SPECIAL SENSES SYSTEM

|                 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Eye             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Zymbal's Gland  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |
| Carcinoma       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |

\* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x .. Lesion present

| .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 96015 - 05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: RATS/F 344

**P04: NEOPLASMS BY INDIVIDUAL ANIMAL**  
**WATER DISINFECTION BYPRODUCTS (DIBROMOACETONITRILE)**  
**CAS Number: 3252-43-5**  
**Pathologist: FARRELL, D. - HEATH, J. - JOKINEN, M.**

Date Report Reqsted: 06/09/2006

Time Report Reqsted: 12:50:37

First Dose M/F: 09/05/01 / 09/05/01

Lab: SRI

|                                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                 |
|--------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------------|
| DAY ON TEST                    | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 6 | 7 | 5               |
|                                | 6 | 1 | 0 | 3 | 3 | 3 | 3 | 3 | 2 | 0 | 7 | 3 | 3 | 3 | 3 | 3 | 9 | 1 | 3 | 3 | 3 | 5 | 0 | 9               |
|                                | 4 | 2 | 7 | 5 | 5 | 4 | 4 | 5 | 1 | 2 | 5 | 5 | 5 | 5 | 4 | 4 | 6 | 4 | 4 | 6 | 6 | 2 | 6 | 4               |
| <b>FISCHER 344 RATS FEMALE</b> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0               |
| <b>ANIMAL ID</b>               | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0               |
| <b>100 MG/L</b>                | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3               |
|                                | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5               |
|                                | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9               |
|                                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>* TOTALS</b> |

**URINARY SYSTEM**

|                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |
|----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|
| Kidney               | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>50</b> |
| Leukemia Mononuclear |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>4</b>  |
| Urinary Bladder      | + |   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>49</b> |
| Leukemia Mononuclear |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>2</b>  |

**SYSTEMIC LESIONS**

|                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |
|----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|
| Multiple Organ       | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>50</b> |
| Leukemia Mononuclear | X | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>10</b> |

\* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x .. Lesion present

| .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 96015 - 05

**Test Type: CHRONIC**

**Route:** DOSED WATER

**Species/Strain:** RATS/F 344

**P04: NEOPLASMS BY INDIVIDUAL ANIMAL**  
**WATER DISINFECTION BYPRODUCTS (DIBROMOACETONITRILE)**  
**CAS Number: 3252-43-5**  
**Pathologist: FARNELL, D. - HEATH, J. - JOKINEN, M.**

Date Report Registered: 06/09/2006

Time Report Requested: 12:50:37

**First Dose M/F:** 09/05/01 / 09/05/01

Lab: SRI

| DAY ON TEST                    | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 5 | 3 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 6 | 7 | 7 |   |
|--------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|                                | 2 | 7 | 2 | 2 | 2 | 3 | 1 | 1 | 9 | 8 | 3 | 5 | 3 | 3 | 3 | 2 | 2 | 7 | 2 | 1 | 3 | 3 | 7 | 3 | 3 |
|                                | 9 | 1 | 9 | 9 | 9 | 5 | 4 | 4 | 6 | 0 | 5 | 7 | 5 | 5 | 5 | 9 | 9 | 1 | 9 | 4 | 5 | 5 | 2 | 5 | 5 |
| <b>FISCHER 344 RATS FEMALE</b> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <b>ANIMAL ID</b>               | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <b>200 MG/L</b>                | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
|                                | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
|                                | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 |

## **ALIMENTARY SYSTEM**

\* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x .. Lesion present

| .. Insufficient tissue

M .. Missing tissue  
A .. Autolysis precludes evaluation  
BLANK .. Not examined microscopically

TDMS No. 96015 - 05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: RATS/F 344

## P04: NEOPLASMS BY INDIVIDUAL ANIMAL

WATER DISINFECTION BYPRODUCTS (DIBROMOACETONITRILE)

CAS Number: 3252-43-5

Pathologist: FARRELL, D. - HEATH, J. - JOKINEN, M.

Date Report Reqsted: 06/09/2006

Time Report Reqsted: 12:50:37

First Dose M/F: 09/05/01 / 09/05/01

Lab: SRI

|                                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|--------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|                                | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 5 | 3 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 6 | 7 | 7 |   |
| DAY ON TEST                    | 2 | 7 | 2 | 2 | 2 | 3 | 1 | 1 | 9 | 8 | 3 | 5 | 3 | 3 | 3 | 2 | 2 | 7 | 2 | 1 | 3 | 3 | 7 | 3 | 3 |
|                                | 9 | 1 | 9 | 9 | 9 | 5 | 4 | 4 | 6 | 0 | 5 | 7 | 5 | 5 | 5 | 9 | 9 | 1 | 9 | 4 | 5 | 5 | 2 | 5 | 5 |
| <b>FISCHER 344 RATS FEMALE</b> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ANIMAL ID                      | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <b>200 MG/L</b>                | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
|                                | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
|                                | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 |

females  
(cont...)

|                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
|----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Pancreas             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |  |
| Leukemia Mononuclear |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |  |
| Salivary Glands      | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |  |
| Stomach, Forestomach | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |  |
| Leukemia Mononuclear |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
| Stomach, Glandular   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |  |
| Tongue               |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | + | + |   |   |   | + |  |

**CARDIOVASCULAR SYSTEM**

|                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
|----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Heart                | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |  |
| Leukemia Mononuclear |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   | X |   |   |   |   |   |  |
| Schwannoma Benign    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |

**ENDOCRINE SYSTEM**

|                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
|----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Adrenal Cortex       | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |  |
| Adenoma              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   | X |  |
| Leukemia Mononuclear |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X | X | X |   |   |   |   |   |  |

\* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x .. Lesion present

| .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 96015 - 05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: RATS/F 344

## P04: NEOPLASMS BY INDIVIDUAL ANIMAL

WATER DISINFECTION BYPRODUCTS (DIBROMOACETONITRILE)

CAS Number: 3252-43-5

Pathologist: FARRELL, D. - HEATH, J. - JOKINEN, M.

Date Report Reqsted: 06/09/2006

Time Report Reqsted: 12:50:37

First Dose M/F: 09/05/01 / 09/05/01

Lab: SRI

|                                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|--------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|                                | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 5 | 3 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 6 | 7 | 7 |   |
| DAY ON TEST                    | 2 | 7 | 2 | 2 | 2 | 3 | 1 | 1 | 9 | 8 | 3 | 5 | 3 | 3 | 3 | 2 | 2 | 7 | 2 | 1 | 3 | 3 | 7 | 3 | 3 |
|                                | 9 | 1 | 9 | 9 | 9 | 5 | 4 | 4 | 6 | 0 | 5 | 7 | 5 | 5 | 5 | 9 | 9 | 1 | 9 | 4 | 5 | 5 | 2 | 5 | 5 |
| <b>FISCHER 344 RATS FEMALE</b> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <b>ANIMAL ID</b>               | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <b>200 MG/L</b>                | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
|                                | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
|                                | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 |

females  
(cont...)

|                        |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Adrenal Medulla        | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |
| Leukemia Mononuclear   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   | X | X |   |   |   |   |   |   |   |
| Islets, Pancreatic     | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |
| Adenoma                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Parathyroid Gland      | + | + | + | I | + | + | + | + | + | + | + | + | + | + | + | M | + | M | + | + | + | + | + | M | + |
| Pituitary Gland        | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |
| Pars Distalis, Adenoma | X |   | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |   |
| Thyroid Gland          | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |
| C-cell, Adenoma        |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

**GENERAL BODY SYSTEM**

|            |       |
|------------|-------|
| Peritoneum | ..... |
|------------|-------|

**GENITAL SYSTEM**

|                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
|----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Clitoral Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |  |
| Adenoma        |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   | X |   |   |   |   |   |   |  |

\* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

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TDMS No. 96015 - 05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: RATS/F 344

## P04: NEOPLASMS BY INDIVIDUAL ANIMAL

WATER DISINFECTION BYPRODUCTS (DIBROMOACETONITRILE)

CAS Number: 3252-43-5

Pathologist: FARRELL, D. - HEATH, J. - JOKINEN, M.

Date Report Reqsted: 06/09/2006

Time Report Reqsted: 12:50:37

First Dose M/F: 09/05/01 / 09/05/01

Lab: SRI

| DAY ON TEST             | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 5 | 3 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 6 | 7 | 7 |   |
|-------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| FISCHER 344 RATS FEMALE | 2 | 7 | 2 | 2 | 2 | 3 | 1 | 1 | 9 | 8 | 3 | 5 | 3 | 3 | 3 | 2 | 2 | 7 | 2 | 1 | 3 | 3 | 7 | 3 | 3 |
| ANIMAL ID               | 9 | 1 | 9 | 9 | 9 | 5 | 4 | 4 | 6 | 0 | 5 | 7 | 5 | 5 | 5 | 9 | 9 | 1 | 9 | 4 | 5 | 5 | 2 | 5 | 5 |
| 200 MG/L                | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|                         | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|                         | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
|                         | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 |
|                         | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 |

females  
(cont...)

|                            |   |       |
|----------------------------|---|-------|
| Carcinoma                  | X | X     |
| Leukemia Mononuclear       |   | X     |
| Ovary                      | + | +     |
| Leukemia Mononuclear       |   | X     |
| Uterus                     | + | +     |
| Leukemia Mononuclear       |   | X     |
| Endometrium, Adenoma       |   | X     |
| Endometrium, Polyp Stromal |   | X X X |
| Vagina                     |   | +     |

## HEMATOPOIETIC SYSTEM

|                                     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|-------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone Marrow                         | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear                |   |   |   |   |   |   |   |   | X |   | X | X |   |   |   |   |   |   |   |   |   |   |   |   |
| Lymph Node                          | + |   | + |   |   |   |   |   | + |   |   | + |   |   |   |   |   | + |   |   |   |   |   | + |
| Deep Cervical, Leukemia Mononuclear |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |
| Mediastinal, Leukemia Mononuclear   |   |   |   |   |   |   |   |   |   | X |   | X |   |   |   |   |   |   |   |   |   |   |   |   |
| Pancreatic, Leukemia Mononuclear    |   |   |   |   |   |   |   |   | X |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Lymph Node, Mandibular              | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M |

\* .. Total animals with tissue examined microscopically; Total animals with tumor

M .. Missing tissue

+ .. Tissue examined microscopically

A .. Autolysis precludes evaluation

x .. Lesion present

BLANK .. Not examined microscopically

| .. Insufficient tissue



TDMS No. 96015 - 05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: RATS/F 344

## P04: NEOPLASMS BY INDIVIDUAL ANIMAL

WATER DISINFECTION BYPRODUCTS (DIBROMOACETONITRILE)

CAS Number: 3252-43-5

Pathologist: FARRELL, D. - HEATH, J. - JOKINEN, M.

Date Report Reqsted: 06/09/2006

Time Report Reqsted: 12:50:37

First Dose M/F: 09/05/01 / 09/05/01

Lab: SRI

| DAY ON TEST             | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 5 | 3 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 6 | 7 | 7 |
|-------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| FISCHER 344 RATS FEMALE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ANIMAL ID               | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 200 MG/L                | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
|                         | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 |
|                         | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 |
|                         |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

females  
(cont...)

## MUSCULOSKELETAL SYSTEM

|      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
|------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

## NERVOUS SYSTEM

|       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|-------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Brain | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
|-------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

Leukemia Mononuclear

X

|                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Peripheral Nerve | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
|------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

|             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Spinal Cord | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

Leukemia Mononuclear

X

## RESPIRATORY SYSTEM

|      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
|------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

Alveolar/Bronchiolar Adenoma, Multiple

X

Alveolar/Bronchiolar Carcinoma

Leukemia Mononuclear

X

X

X

|      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Nose | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
|------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

Respiratory Epithelium, Adenoma

X

\* .. Total animals with tissue examined microscopically; Total animals with tumor

M .. Missing tissue

+ .. Tissue examined microscopically

A .. Autolysis precludes evaluation

x .. Lesion present

BLANK .. Not examined microscopically

| .. Insufficient tissue

TDMS No. 96015 - 05

**Test Type: CHRONIC**

**Route:** DOSED WATER

**Species/Strain:** RATS/F 344

**P04: NEOPLASMS BY INDIVIDUAL ANIMAL**  
**WATER DISINFECTION BYPRODUCTS (DIBROMOACETONITRILE)**  
**CAS Number: 3252-43-5**  
**Pathologist: FARNELL, D. - HEATH, J. - JOKINEN, M.**

Date Report Registered: 06/09/2006

Time Report Requested: 12:50:37

**First Dose M/F:** 09/05/01 / 09/05/01

Lab: SRI

## **SPECIAL SENSES SYSTEM**

## **URINARY SYSTEM**

## **SYSTEMIC LESIONS**

Multiple Organ  
Leukemia Mononuclear

\* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x Lesion present

| Insufficient tissue

M .. Missing tissue  
A .. Autolysis precludes evaluation  
BLANK .. Not examined microscopically

TDMS No. 96015 - 05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: RATS/F 344

## P04: NEOPLASMS BY INDIVIDUAL ANIMAL

WATER DISINFECTION BYPRODUCTS (DIBROMOACETONITRILE)

CAS Number: 3252-43-5

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Date Report Reqsted: 06/09/2006

Time Report Reqsted: 12:50:37

First Dose M/F: 09/05/01 / 09/05/01

Lab: SRI

|  |          |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|--|----------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|  | 7        | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 4 | 7 | 6 | 7 | 7 | 5 | 7 | 7 | 7 | 6 | 7 | 5 | 6 | 7 | 7 | 7 |
|  | 3        | 0 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 7 | 3 | 7 | 3 | 3 | 9 | 1 | 3 | 3 | 2 | 1 | 5 | 4 | 3 | 0 |   |
|  | 4        | 2 | 4 | 4 | 4 | 6 | 6 | 6 | 6 | 7 | 6 | 1 | 6 | 6 | 0 | 0 | 5 | 5 | 9 | 4 | 1 | 8 | 6 | 1 |   |
|  | 0        | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |   |
|  | 0        | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |   |
|  | 3        | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 |
|  | 7        | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 0 |
|  | 6        | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |
| FISCHER 344 RATS FEMALE<br>ANIMAL ID<br>200 MG/L | * TOTALS |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

## ALIMENTARY SYSTEM

|                           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
|---------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Esophagus                 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Intestine Large, Cecum    | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Intestine Large, Colon    | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Adenoma                   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |
| Intestine Large, Rectum   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | 49 |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | 49 |
| Intestine Small, Ileum    | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | 49 |
| Leukemia Mononuclear      | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 3  |
| Intestine Small, Jejunum  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | A | + | A | A | + | + | 46 |
| Liver                     | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | X | + | + | + | + | + | 50 |
| Leukemia Mononuclear      | X |   | X | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   | X |   | X |   | 12 |
| Mesentery                 | + | + |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 15 |
| Leukemia Mononuclear      | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   | 5  |
| Oral Mucosa               |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |

\* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x .. Lesion present

| .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 96015 - 05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: RATS/F 344

## P04: NEOPLASMS BY INDIVIDUAL ANIMAL

WATER DISINFECTION BYPRODUCTS (DIBROMOACETONITRILE)

CAS Number: 3252-43-5

Pathologist: FARRELL, D. - HEATH, J. - JOKINEN, M.

Date Report Reqsted: 06/09/2006

Time Report Reqsted: 12:50:37

First Dose M/F: 09/05/01 / 09/05/01

Lab: SRI

|                                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                 |
|--------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------------|
|                                | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 4 | 7 | 6 | 7 | 7 | 5 | 7 | 7 | 7 | 6 | 7 | 5 | 6 | 7 | 7 | 7               |
|                                | 3 | 0 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 7 | 3 | 7 | 3 | 3 | 9 | 1 | 3 | 3 | 2 | 1 | 5 | 4 | 3 | 0 |                 |
|                                | 4 | 2 | 4 | 4 | 4 | 6 | 6 | 6 | 6 | 7 | 6 | 1 | 6 | 6 | 0 | 0 | 5 | 5 | 9 | 4 | 1 | 8 | 6 | 1 |                 |
| .....                          |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                 |
| <b>FISCHER 344 RATS FEMALE</b> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0               |
| ANIMAL ID                      | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0               |
| <b>200 MG/L</b>                | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4               |
|                                | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 0               |
|                                | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0               |
|                                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>* TOTALS</b> |

|                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
|----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Pancreas             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Leukemia Mononuclear |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X | X |   |   |   |   |   |   | 3  |
| Salivary Glands      | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Stomach, Forestomach | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Leukemia Mononuclear |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   | 1  |
| Stomach, Glandular   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Tongue               |   |   |   |   |   |   |   |   |   | + |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 7  |

**CARDIOVASCULAR SYSTEM**

|                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
|----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Heart                | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Leukemia Mononuclear |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X | X |   |   |   |   |   |   | 4  |
| Schwannoma Benign    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   | 1  |

**ENDOCRINE SYSTEM**

|                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
|----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Adrenal Cortex       | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Adenoma              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X | X |   |   |   |   |   |   | 2  |
| Leukemia Mononuclear |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   | 8  |

\* .. Total animals with tissue examined microscopically; Total animals with tumor

M .. Missing tissue

+ .. Tissue examined microscopically

A .. Autolysis precludes evaluation

x .. Lesion present

BLANK .. Not examined microscopically

| .. Insufficient tissue



TDMS No. 96015 - 05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: RATS/F 344

## P04: NEOPLASMS BY INDIVIDUAL ANIMAL

WATER DISINFECTION BYPRODUCTS (DIBROMOACETONITRILE)

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Lab: SRI

|                                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |          |
|--------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------|
|                                | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 4 | 7 | 6 | 7 | 7 | 5 | 7 | 7 | 7 | 6 | 7 | 5 | 6 | 7 | 7 | 7        |
|                                | 3 | 0 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 7 | 3 | 7 | 3 | 3 | 9 | 1 | 3 | 3 | 2 | 1 | 5 | 4 | 3 | 0 |          |
|                                | 4 | 2 | 4 | 4 | 4 | 6 | 6 | 6 | 6 | 7 | 6 | 1 | 6 | 6 | 0 | 0 | 5 | 5 | 9 | 4 | 1 | 8 | 6 | 1 |          |
|                                | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |          |
|                                | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |          |
| <b>FISCHER 344 RATS FEMALE</b> | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4        |
| <b>ANIMAL ID</b>               | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 0        |
| <b>200 MG/L</b>                | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0        |
|                                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | * TOTALS |
| Carcinoma                      | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 3        |
| Leukemia Mononuclear           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1        |
| Ovary                          | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50       |
| Leukemia Mononuclear           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 6        |
| Uterus                         | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50       |
| Leukemia Mononuclear           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 4        |
| Endometrium, Adenoma           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1        |
| Endometrium, Polyp Stromal     | X |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 11       |
| Vagina                         |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 7        |

**HEMATOPOIETIC SYSTEM**

|                                     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
|-------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Bone Marrow                         | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Leukemia Mononuclear                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 9  |
| Lymph Node                          | + | + | + |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 15 |
| Deep Cervical, Leukemia Mononuclear |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |
| Mediastinal, Leukemia Mononuclear   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 5  |
| Pancreatic, Leukemia Mononuclear    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 5  |
| Lymph Node, Mandibular              | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | 2  |

\* .. Total animals with tissue examined microscopically; Total animals with tumor

M .. Missing tissue

+ .. Tissue examined microscopically

A .. Autolysis precludes evaluation

x .. Lesion present

BLANK .. Not examined microscopically

| .. Insufficient tissue



TDMS No. 96015 - 05

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Lab: SRI

|   |                 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY ON TEST   | 7               | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 4 | 7 | 6 | 7 | 7 | 5 | 7 | 7 | 7 | 6 | 7 | 5 | 6 | 7 | 7 |
|   | 3               | 0 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 7 | 3 | 7 | 3 | 3 | 9 | 1 | 3 | 3 | 2 | 1 | 5 | 4 | 3 | 0 |
|   | 4               | 2 | 4 | 4 | 4 | 6 | 6 | 6 | 6 | 7 | 6 | 1 | 6 | 6 | 0 | 0 | 5 | 5 | 9 | 4 | 1 | 8 | 6 | 1 |
| <b>FISCHER 344 RATS FEMALE</b><br><b>ANIMAL ID</b><br><b>200 MG/L</b> | 0               | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|   | 0               | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|   | 3               | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 |
|   | 7               | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 0 |
|   | 6               | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|   | <b>* TOTALS</b> |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

**MUSCULOSKELETAL SYSTEM**

|      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
|------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Bone | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
|------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|

**NERVOUS SYSTEM**

|                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
|----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Brain                | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Leukemia Mononuclear |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |
| Peripheral Nerve     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 4  |
| Spinal Cord          |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 4  |
| Leukemia Mononuclear |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |

**RESPIRATORY SYSTEM**

|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Lung                                   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Alveolar/Bronchiolar Adenoma, Multiple |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |
| Alveolar/Bronchiolar Carcinoma         |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |
| Leukemia Mononuclear                   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |
| Nose                                   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Respiratory Epithelium, Adenoma        |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |

\* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x .. Lesion present

| .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 96015 - 05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: RATS/F 344

## P04: NEOPLASMS BY INDIVIDUAL ANIMAL

WATER DISINFECTION BYPRODUCTS (DIBROMOACETONITRILE)

CAS Number: 3252-43-5

Pathologist: FARRELL, D. - HEATH, J. - JOKINEN, M.

Date Report Reqsted: 06/09/2006

Time Report Reqsted: 12:50:37

First Dose M/F: 09/05/01 / 09/05/01

Lab: SRI

|                                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |          |
|--------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------|
|                                | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 4 | 7 | 6 | 7 | 7 | 5 | 7 | 7 | 7 | 6 | 7 | 5 | 6 | 7 | 7 | 7        |
|                                | 3 | 0 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 7 | 3 | 7 | 3 | 3 | 9 | 1 | 3 | 3 | 2 | 1 | 5 | 4 | 3 | 0 |          |
|                                | 4 | 2 | 4 | 4 | 4 | 6 | 6 | 6 | 6 | 7 | 6 | 1 | 6 | 6 | 0 | 0 | 5 | 5 | 9 | 4 | 1 | 8 | 6 | 1 |          |
|                                | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |          |
|                                | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |          |
| <b>FISCHER 344 RATS FEMALE</b> | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4        |
| <b>ANIMAL ID</b>               | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 0        |
| <b>200 MG/L</b>                | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0        |
|                                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | * TOTALS |
| Trachea                        | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50       |

**SPECIAL SENSES SYSTEM**

|                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
|----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Eye                  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | A | + | + | + | 48 |
| Leukemia Mononuclear |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   | 1  |
| Harderian Gland      | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |

**URINARY SYSTEM**

|                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
|----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Kidney               | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | 49 |
| Leukemia Mononuclear |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   | X |   | X |   | 6  |
| Urinary Bladder      | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |

**SYSTEMIC LESIONS**

|                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
|----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Multiple Organ       | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Leukemia Mononuclear | X |   | X | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X | X | X | X | X | X | 12 |

\*\*\* END OF REPORT \*\*\*

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
+ .. Tissue examined microscopically  
x .. Lesion present  
| .. Insufficient tissue

M .. Missing tissue  
A .. Autolysis precludes evaluation  
BLANK .. Not examined microscopically